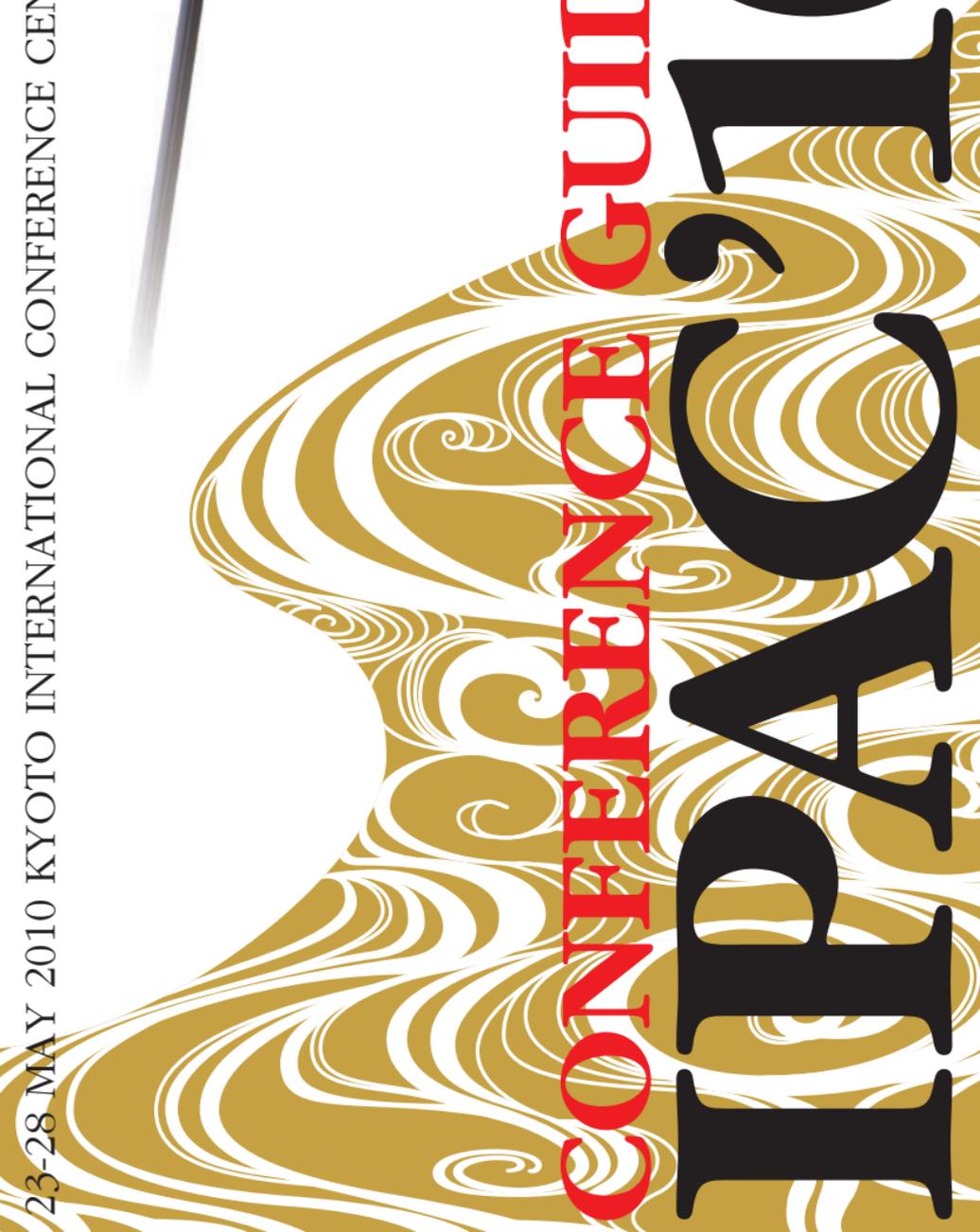




The First
International
Particle
Accelerator
Conference

23-28 MAY 2010 KYOTO INTERNATIONAL CONFERENCE CENTER

CONFERENCE **GUIDE**
IPAC'10



IPAC '10

FIRST INTERNATIONAL PARTICLE ACCELERATOR CONFERENCE

**Kyoto International Conference Center
Kyoto, Japan, 23 to 28 May, 2010**

Organized by
Science Council of Japan
The Physical Society of Japan
Particle Accelerator Society of Japan
Atomic Energy Society of Japan

Under the Auspices of

The Asian Committee for Future Accelerators (ACFA)
The European Physical Society Accelerator Group (EPS-AG)
American Physical Society, Division of Physics of Beams
(APS-DPB) and Institutes in North America organizing
Particle Accelerator Conference

Supported by

| | | |
|--|---|-----------------------------|
| IUPAP | Japan Society for the Promotion of Science | CEA |
| CELLS-ALBA | CERN | CIEMAT |
| CNRS/IN2P3 | DESY | Diamond |
| ESRF | Foundation for High Energy Accel. Science | GSI |
| ICR, Kyoto U. | INFN | Italian Physical Society |
| JAEA | JASRI | KEK |
| Kyoto University | MAX-lab | MSL |
| NIRS | Osaka University | POSTECH |
| PSI | RCNP, Osaka U. | RIKEN |
| STFC | Synchrotron SOLEIL | UST |
| Kyoto chamber of Commerce and Industry | Kyoto City | Kyoto Prefecture |

<http://www.ipac10.org>



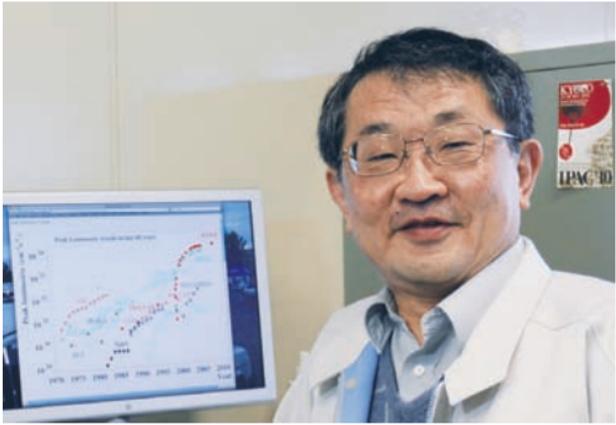
It is my great pleasure to have the first conference of the IPAC in Asia, which has a long history and tradition of culture and science as well as that of the international conferences.

The second sentence of the Analects of Confucius (551-479 BCE) reads, "What a happiness it is to have friends who come from afar!" Welcome to Kyoto!

Shin-ichi Kurokawa, KEK, IPAC'10 OC Honorary Chair

Welcome to the First International Particle Accelerator Conference, IPAC'10! The Organizing Committee and myself are very proud of realizing the very first chance of the newly-unified series of the international conferences on particle accelerators. IPAC'10 will be also the largest international conference of this field held ever in Asia. Needless to say, any of today's particle accelerators must be built on internationally integrated knowledge, experience, and technology, if it wants to be successful. Therefore the unification of the particle accelerator conferences in three regions is just natural and irreversible. The success of IPAC'10 will simply establish the direction to the future.

Let us enjoy the conference, by presenting and discussing our science, as much as we like. I believe nothing can prevent us from doing so, at least during this conference.



Katsunobu Oide, KEK, IPAC'10 OC Chair



The oral programme of IPAC'10 was elaborated based on input from the Scientific Advisory Board (SAB), composed of leading scientists worldwide, and discussion within the Scientific Programme

Committee (SPC), composed of members of the Asian Committee for Future Accelerators (ACFA) and prominent Asian scientists, as well as representatives of the Elected Board of the European Physical Society Accelerator Group (EPS-AG), and representatives from the committees organizing Particle Accelerator Conference in North America. Every effort has been made to offer an attractive programme of oral presentations of the state of the art in the accelerator field worldwide, which finally resulted in also regionally well balanced one. The oral presentations are supplemented by almost 1800 poster presentations and we are looking forward to lively and imaginative presentations, supported by stimulating mutual discussions in such a splendid circumstances.

I believe the special invited talk by Dr. Genshitsu Sen, Grand Master of Chado, Urasenke, on "The Spirit of Tea" will well give you also additional information on Japanese Culture.

Akira Noda, ICR, Kyoto University – IPAC'10 SPC Chair

The numbers of participants, contributions and exhibitors of IPAC'10 are beyond our expectation. The LOC members are committed to making it a successful conference.



We have aimed to promote student participation in order to offer the younger members of the community an opportunity to participate in IPAC'10. This has been achieved through the sponsorship of IUPAP, EPS-AG, APS-DPB and many laboratories and institutions in the world.

Toshiyuki Shirai, NIRS – IPAC'10 LOC Chair



Local Secretary

General enquiries should be directed to the secretary:

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KEK

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E-mail:
hayashiy@post.kek.jp

Co-Editor of Proceedings

Akihiro Shirakawa
KEK

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Scientific Secretary Co-Editor of Proceedings

Christine
Petit-Jean-Genaz
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IPAC '10

FIRST INTERNATIONAL PARTICLE ACCELERATOR CONFERENCE

23 to 28 May, 2010

Kyoto International Conference Center (KICC), Kyoto, Japan

INTRODUCTION

Welcome to the first annual International Particle Accelerator Conference, IPAC'10, in the historic city of Kyoto. Kyoto is the center of traditional Japanese culture and religion, as well as of fine textiles and other Japanese artwork. Several of the historic temples, shrines and gardens of Kyoto were collectively added to UNESCO's World Heritage List in 1994.

TRAVEL AND ARRIVAL

Arrival by Plane

Kyoto is located near the center of Japan and the legendary transport network makes it easily accessible from all international gateways. Kansai International Airport (KIX) is just over one hour away from Kyoto by train or a little longer by shuttle bus.

Arrival by Train

Kyoto's main railway station is located in the city center. It is an important railroad hub, with frequent connections to all major Japanese cities. The subway "Karasuma Line" is the most convenient way from Kyoto Station to the Kyoto International Conference Center. It takes 20 minutes from Kyoto Station (K11: Kyoto) to KICC (K01: Kokuzaikaikan).



CONFERENCE VENUE

The Kyoto International Conference Center (KICC), with its unique architecture, is located in the northern part of Kyoto city, and reached by modern subways. You can have a look of its location from the map installed in the conference bag. The address and telephone numbers of the conference venues are:

Kyoto International Conference Center (KICC)
Takaragaike, Sakyo-ku, Kyoto 606-0001 Japan
Phone: +81-75-705-1234
Fax: +81-75-705-1100
<http://www.icckyo.or.jp/en/>

Internet Access

Wireless internet is available free of charge in Internet Cafes and Main Lounge. The Main Lounge (SSID: Main Lounge) is located in front of the Main Hall. The Internet Cafes are located in Room K (SSID: Room K) and on the 2nd floor of the Event Hall (SSID: Cafe Terrace). Passwords for connections are not necessary at all of the access points. The internet access is not available in the auditoria by our organizing policy.

REGISTRATION AND INFORMATION DESK

Registration fees are due for all participants, including invited speakers and chairpersons. Payment will generally have been in advance via the website, though late registrants may also pay at the conference venue.

Registration Hours at the Conference

Registration at the venue is from 15:00 to 19:00 on Sunday, 23 May 2010. Thereafter the registration desk will be open throughout the conference as follows:

| | |
|--|---------------|
| Monday, 24 May 2010 | 8:00 to 18:00 |
| Tuesday to Thursday, 25 to 27 May 2010 | 8:30 to 18:00 |
| Friday, 28 May 2010 | 8:30 to 13:00 |

The increased registration fee for late registration (after 24 March 2010) is 70,000 Yen. Payment at the Registration Desk must be by credit card (only Visa, MasterCard, American Express, Diners, and JCB are accepted) or in cash (JPY). **Cheques cannot be accepted.**

The Conference fee includes all documents included in a conference bag, the Get together party, the Conference Banquet, coffee and refreshments.

Cancellation of Registration

Any changes and cancellations must be communicated in writing to the local secretary (regist@m.ipac10.org). If a written cancellation notice is received before 23 March (Early Registration Deadline), the registration fee will be refunded, minus 20% for administrative expenses. No refund can be made for cancellations after 24 March. Refunds will be made by credit card or bank transfer, depending on the selected payment method.

SOCIAL PROGRAMME

Coffee Breaks

Coffee and refreshments will be served in the Main Lounge on Monday and Friday mornings, in the Event Hall from Monday afternoon to Thursday afternoon.

Get together party at the conference venue, Sunday, 23 May, from 18:00 to 20:00

The Welcome Get together party will take place in the Japanese Garden around the pond at the Kyoto International Conference Center. It will start at 18:00 after the special student poster session.

Conference Banquet, Thursday, 27 May, from 19:30 to 21:30

The Conference Banquet will take place at Miyakomesse on Thursday, 27 May. Every delegate will receive an invitation in his/her Conference bag. Assistance will be provided to guide participants to Miyakomesse (see also the installed map). Extra banquet tickets will be available for purchase at the Tour Desk (limited supply only).

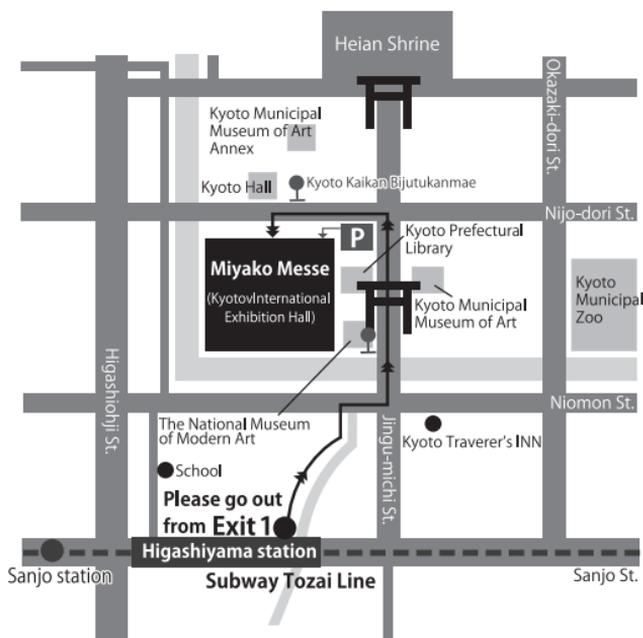
Miyakomesse

9-1, Okazaki Seishoji-cho, Sakyo-ku, Kyoto 606-8343, Japan

Phone: +81-75-762-2630

Fax: +81-75-751-1655

Closest station: Higashiyama (T10, Subway Tozai Line)



Tea Party for accompanying persons, Monday, 24 May, from 9:30 to 10:45

A tea party for accompanying persons will take place on Monday morning from 9:30 a.m. just after the opening ceremony in the "Swan" Room of KICC. It will be followed by a special bus tour to a temple, including lunch at a Japanese restaurant, and by a lecture on Furoshiki (Japanese traditional wrapping cloth) for up to 10 persons. While the tea party is free of charge, the bus tour and lunch will cost 8,000 Yen.

Exhibition and Experience of Braiding (Kumihimo), Tuesday Morning, 25 May, from 10:00 to around noon

A demonstration of braiding (Kumihimo) and in parallel, practice of braiding can be experienced by application beforehand at the Tour Desk for a limited number of persons (40), at a fee of 1,800 Yen per person. It takes almost 60 minutes and can produce a strap usable for a handy phone and a key holder. The exhibition will take place on the 1st floor of the Event Hall while the actual braiding class will take place on the 2nd floor of the Event Hall.

Exhibition of Fan Making, Wednesday Morning, 26 May, from 10:00 to around noon

Traditional Japanese fan fabrication will be demonstrated. The demonstration will be performed on the 1st floor of the Event Hall.

Experience the ‘Way of Tea’, Thursday Morning, 27 May, from 10:00 to around noon

Before the special invited talk on “The Spirit of Tea” by the Grand Master of Urasenke, Dr. Genshitsu Sen, we will provide a chance to experience a bowl of traditional Japanese tea, at the Cocktail Lounge of KICC. Up to 40 persons can enjoy the Japanese Tea by application beforehand at the Tour Desk. There will be a fee of 300 Yen per person to cover the cost of the Japanese sweet served before the tea.

LABORATORY TOUR

Optional lab tours will be available on Saturday, 29 May. The tours will include bus transportation on Saturday morning, lunch and transportation back in the evening.

< Course-A >

- Spring-8, XFEL, New SUBARU
- Himeji Castle

< Course-B >

- ICR and IAE, Kyoto University
- RCNP and ISIR, Osaka University
- Byodo-in Temple, Gekkeikan Okura Sake Museum

< Course-C >

- RCNP and ISIR, Osaka University
- KURRI, Kyoto University
- Osaka Castle

The tour fee is 5,000 Yen for conference participants and accompanying persons, and free for children under 18 years old. The tour fee is not included in your registration fee.

Online registration beforehand is necessary for joining the lab tours. A limited number of tickets will be available at the Tour Desk in Room C-1 before 18:00 on Tuesday, 25 May, if some tickets remain unsold.

More detailed information is available in the web page:

http://ipac10.org/index__Main.LaboratoryTour

Visit KEK and J-PARC

A laboratory tour at KEK and J-PARC will be organized on Monday, 31 May. The fee is 1,000 Yen. Please pay it in CASH at the Tour Desk in the conference site. Tour buses will start at 9:00 from Tsukuba Station (at the entrance A1 of Tsukuba Express train station).

TOURIST INFORMATION

For tourist information, see the conference website or visit the Tour Desk located in Room C-1.

Lunch/Food/Restaurants

The Grill Restaurant is open every day in the conference venue with 116 seats. It opens from 10:00 to 17:00. The Cafe Terrace is also open with 118 seats at the lunch time on the second floor of the Event Hall. There are some restaurants for lunch near the conference venue. You can have a look of their location from the restaurant map in the conference bag. The Kyoto abounds with good restaurants for dining. For dining information, see the conference website.

Currency and Credit Cards

The currency is Japanese Yen (JPY). 1 USD is about 95 Yen, and 1 EUR is about 125 Yen, depending on the exchange rate. Cash is the most widely accepted method of payment. Major cards are widely accepted, except in some small sole traders. Debit credit cards are almost unknown and should not be relied upon as a payment option. Travellers' cheques are only accepted for exchange in banks and post offices, and, in general, cannot be used to purchase goods and services. Foreign exchange can be performed in banks (look for signs in English), larger post offices, a limited number of hotels, and Kyoto Handicraft Center (<http://www.kyotohandicraftcenter.com/jp/>): there is no street-side foreign money exchange in Kyoto. Bank counters are open 9 am to 3 pm, post offices financial services from 9 am to 4 pm on weekdays only. There is not much discrimination in exchange rates and commissions between banks in the city and in the airport; post offices and the Handicraft Center reportedly offer slightly favourable rates. You can draw cash on your credit card or debit card at certain ATM cash machines: all post offices (found in every neighbourhood; not 24 hr) and Seven Bank (in all 7-Eleven stores; 24 hr) ATMs accept overseas credit cards with PIN, and some debit card systems.

Insurance, Liability

The organizers of IPAC'10 do not accept liability for individual medical, travel or personal insurance, and participants are strongly advised to take out their own personal insurance.

VAT

Consumption tax is a flat rate of 5% on all purchases. There are no additional local taxes. The displayed price on goods and services is required by law to be tax-inclusive. Receipts and bills often indicate tax and service charge for your reference.

Electricity

Mains electricity is supplied at 100 volts AC at the frequency of 60 Hertz in Kyoto. Most portable computers and cameras are

internationally compatible but you are advised to check your equipment before departure. Mains sockets require a Type A plug and you are advised to obtain an adaptor before departure if needed. Type A plugs have two flat blades and are used in the US and Canada too.

Language - Getting by in English and Japanese

Outside of your hotel and meeting venue the main language will be Japanese. However, Kyoto is Japan's prime tourist destination and has the infrastructure in place to make your stay enjoyable and stress-free. Subway & train station and bus stop signs are clearly marked not only in Japanese but also in English, Chinese and Korean for easy comprehension. Also, destinations are posted in English and Japanese, and stops announced in English on board making it even easier for the visitor to navigate the city. Restaurants present bilingual and pictorial menus. If you speak slowly and clearly, shop assistants and taxi drivers will understand your needs. There are sightseeing maps and information boards posted throughout the city and direction signs are displayed in Romanised and Japanese versions. Furthermore, residents are friendly to visitors: if you approach someone on the street, you are likely to be understood and the person you ask is likely to be able and willing to help.

Weather

Japan has a temperate northern hemisphere climate and weather patterns are regular year to year. Average daytime and nighttime temperatures in May are respectively 24°C/75°F and 13°C/56°F. May is not a rainy season in Kyoto, but it rains 7 to 10 days during May in most years.

SCIENTIFIC PROGRAMME

Oral Presentations

Details of all oral contributions, both invited and contributed, are given in this Programme Booklet.

Oral presentations will take place in *plenary* session in the Main Hall (1st floor) on Monday 24 and Friday 28 May in the mornings, and on Thursday 27 May in the afternoon.

Oral presentations in *parallel* session will take place in the Main Hall and in Room A (2nd floor) on Tuesday, Wednesday and Thursday mornings, 25 to 27 May, and on Monday, Tuesday and Wednesday afternoons, 24 to 26 June.

Guidelines for Speakers

Visual presentations will be made electronically using the projection equipment provided at the conference center. All presentations must be uploaded via user profiles in the conference instance of the SPMS *the day before the presentation*. A speaker preparation facility is located Room H to check presentations on PC or Macintosh. Any special requirements concerning visual aids should be addressed to the Presentations Manager:

Presentations Manager

Takashi Kosuge (KEK)

E-mail: takashi.kosuge@kek.jp

Each session of oral presentation in Main Hall and Room A is also cared with Session Managers and Vice Session Managers, who can be reached through E-mail: session-manager@m.ipac10.org.

Session Managers

Kazuro Furukawa (KEK) Osamu Kamigaito (RIKEN)

Vice Session Manager

Mitsuhiro Fukuda (RCNP) Akihiko Mizuno (JASRI/SPring-8)

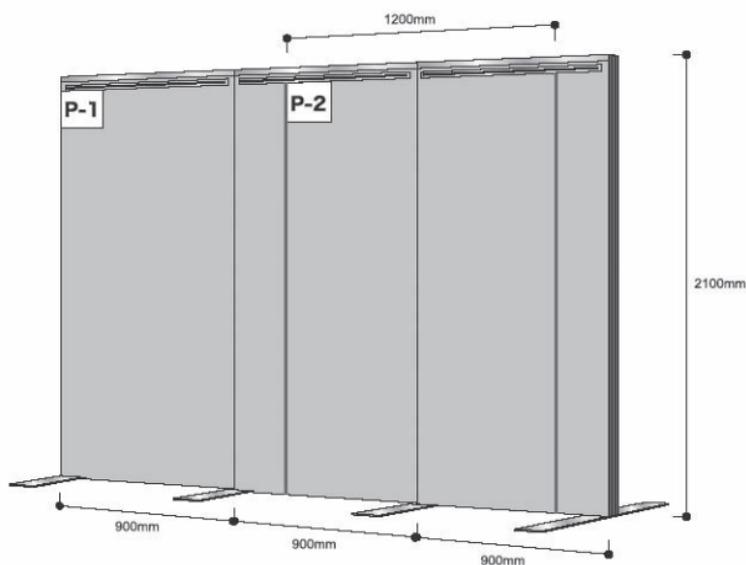
Programme Codes

All contributions to the program have a programme code whereby the first two letters correspond to the day of presentation, Monday, Tuesday, Wednesday, etc. (i.e. MO, TU, WE etc.). The third letter shows the type of representation. For poster presentations, the third will be P, which is followed by a single or two letters indicating poster areas (for example, EA and D represent Event Hall Area EA and Room D, respectively). The code will end with three digits, 001, 002, 003, etc., corresponding to the poster board number.

Poster Sessions

Four poster sessions are scheduled to take place in the afternoons, decoupled from the oral presentations, from 16:00 to 18:00 on Monday to Thursday, 24 to 27 May, 2010.

The poster areas are located in the Event Hall (Areas EA, EB and EC), and in Rooms D and E. The area of the poster board is 1200mm Width x 2100mm Height (47.2 in x 82.6 in) as shown below.



Full information concerning the poster sessions and the preparation of posters is published at the conference website.

Posters must be mounted before the morning coffee break and can be visited throughout the day. They must be manned throughout the session from 16:00 to 18:00, and removed immediately after the end of each session. Poster Session Managers and assistants will be available from 8:30 to 10:00 to assist authors to mount their posters and give any technical assistance that may be requested.

Poster Session Managers (E-mail: poster@m.ipac10.org)

Ryukou Kato (ISIR, Osaka U.) Jinfeng Yang (ISIR, Osaka U.)

Since poster sessions are a focal point of the conference, and with the objective of making the sessions as attractive, successful and rewarding as possible, authors of posters are strongly encouraged to take particular care in their preparation.

Publication Policy

Authors are reminded that no contributions are accepted for publication only. Any paper accepted for presentation, which is not presented at the Conference, will be excluded from the Proceedings.

The Scientific Programme Committee reserves the right to refuse papers for publication that have not been properly presented or manned in the poster sessions. Manuscripts of contributions to the Proceedings (or enlargements of them) are not considered as posters and papers presented in this way will not be accepted for publication.

Special Poster Session for Students

A special poster session is being organized to enable young scientists to present their work on Sunday afternoon, 23 May in Room C-1/C-2 from 16:00 to 18:00. Two cash prizes of 70,000 Yen will reward the two best posters, judged by the Scientific Programme Committee. The work presented will also be presented within the normal conference programme. An abstracts brochure of this session is published at the conference website.

Questions about the scientific programme may be addressed to:

Akira Noda
SPC Chair
Kyoto University (Kyoto ICR)
Institute for Chemical Research
Advanced Research Center for
Beam Science
noda@kyticr.kuicr.kyoto-
u.ac.jp

Christine Petit-Jean-Genaz
Scientific Secretariat
CERN – AB
CH – 1211 Geneva 23
christine.petit-jean-
genaz@cern.ch

PROCEEDINGS

The Conference Proceedings will be prepared electronically and published at the JACoW site. A separate electronic version will also be available for download to computers, USBs, etc. Contributed papers may be up to three pages long and invited papers up to five pages.

The electronic files of contributions to the Proceedings will be processed prior to and during the Conference. Authors can check processing status via their profiles, via an "electronic dotting board" located in the Proceedings Office and Main Lobby. The Proceedings Office is located in Room H.

STUDENT GRANTS

Student Grants

A total of 91 students, are attending IPAC'10 thanks to the sponsorship of the laboratories and institutions mentioned at the conference website and listed herewith: IUPAP, APS-DPB, CEA, CELLS-ALBA, CERN, CIEMAT, CNRS/IN2P3, DESY, Diamond, EPS-AG, ESRF, Foundation for High Energy Accel. Science, GSI, ICR-Kyoto U., INFN, Italian Physical Society, MAX-lab, MSL, PSI, POSTECH, RCNP-Osaka U., STFC, Synchrotron Soleil, UST.

Young Researcher Grants

4 young researchers are attending IPAC'10 from the developing country thanks to the sponsorship of IUPAP.

Industrial Fellowships

The NIHON KOSHUHA CO., LTD. is offering Industrial Fellowships for the following student to attend IPAC'10,

Illya V. Drobot (National Science Centre, Kharkov Institute of Physics and Technology, NSC/KIPT, Ukraine)

ACFA/IPAC'10 ACCELERATOR PRIZES

The ACFA/IPAC'10 Accelerator Prizes are awarded as follows:

An Achievement Prize for outstanding work in the accelerator field with no age limit is awarded to



Steve Myers, CERN “for his numerous outstanding contributions to the design, construction, commissioning, performance optimization, and upgrade of energy-frontier colliders - in particular ISR, LEP, and LHC - and to the wider development of accelerator science.”

A Prize for an individual, having made significant, original contributions to the accelerator field with no age limit, is awarded to



Jie Wei, Tsinghua University in Beijing “for his exceptionally creative contributions to the design, construction and commissioning of circular accelerators, in particular RHIC, SNS, LHC, as well as the design of CSNS, and for numerous significant developments in the field of beam dynamics.”

A Prize for an individual, in the early part of his or her career, having made a recent significant, original contribution to the accelerator field, is awarded to



Mei Bai, Brookhaven National Laboratory (BNL), Long Island, New York, *“for her significant contributions to spin dynamics and polarized proton acceleration in circular accelerators - in particular AGS and RHIC, and to successful polarized proton beam collisions at 500 GeV center of mass.”*

The award winners above will make oral presentations of their work during the Prizes Ceremony on Thursday, 27 May, 2010 in the afternoon (see programme of oral presentations).

Two prizes will also be awarded for posters presented during the special session for students.

Acknowledgement of the work of the JACoW Collaboration

**JACoW Team,
Volker Schaa, Chair,
Christine Petit-Jean-Genaz, Secretary and Deputy Chair.**

The Organizing Committee of IPAC'10 conference would like to acknowledge the achievement of JACoW team and thank all those involved in JACoW, for the efforts to further the dissemination of scientific knowledge throughout the accelerator community.

INDUSTRIAL EXHIBITION AND SEMINAR

The industrial exhibition will be open from Monday to Wednesday, 24 to 26 May 2010 from 9:00 to 18:00 (unmanned during lunch hours). On Wednesday afternoon a seminar on Technology Transfer and for Industry will take place for representatives of industry and Conference delegates. Details of the seminar are given in the programme of oral presentations later in this Programme Booklet.

More information concerning the industrial exhibition may be obtained from the Exhibition Managers:

Exhibition Managers (E-mail: exhibit@m.ipac10.org)

Eiji Kikutani (KEK) Sawako Hayashi (WORDS Pub. House)

The following firms will be present at the industrial exhibition:

| | Booth |
|---|--------------|
| Advanced Energy Systems, Inc. | 64 |
| AET / CST | 33 |
| AFT microwave | 82 |
| AIR LIQUIDE | 34, 35 |
| ARKUS Inc. | 65 |
| attocube systems AG | 54 |
| AVX Corporation | 60 |
| Bergoz Instrumentation | 1 |
| BRUKER | 22, 31 |
| BURLE INDUSTRIES, INC. | 78 |
| CERAMIC MAGNETICS INC. | 62 |
| chuodenshi | 83 |
| Cobham Technical Services | S |
| COSMOTEC Corporation | 36 |
| Cosylab | 40, 49 |
| DANFYSIK | 2 |
| Dimtel, Inc. | 19 |
| Diversified Technologies, Inc. | 7 |
| e2v technologies plc. / CORNES DODWELL LTD. | 42 |
| Factory of Institute of High Energy Physics, Chinese Academy of Sciences | 88 |
| Fluke / Tektronix | 89 |
| FMB Berlin & FMB Oxford | 41, 50 |
| FRIATEC AG, Division FRIALIT-DEGUSSIT | 63 |
| Gamma Vacuum | 28 |
| GENERAL BUSSAN Co., Ltd | 77 |
| HERAEUS PLANSEE | 56, 57 |
| HMT | 58 |
| Hitachi, Ltd. | 27 |
| Hitachizosen Corporation | 45 |
| Instrumentation Technologies | 67 |
| Irie Koken Co., Ltd | 26 |
| Japan Laser Corporation | 73 |
| KYMA | 20, C |
| Kyocera Corporation | 59 |
| Mega Industries | 23 |
| Metrolab Instruments SA | 37 |
| Micro Communications Inc | 18, C |
| Micromatter (TRIUMF) | 48 |
| Mitsubishi Electric Corporation | B |
| Mitsubishi Electric Tokki Systems Corporation | 12, 13 |
| MITSUBISHI HEAVY INDUSTRIES, LTD. | 29, 30, U |
| MTT Corporation | 66 |
| Muons, Inc. | 70 |
| National Instruments Japan. | 52 |
| NEC TOKIN Corporation | C |
| NEOMAX ENGINEERING Co., Ltd. | 46 |
| NICHICON CORPORATION | 24, 25, C, P |
| Nippon Swagelok FST. Inc. | 32 |
| NIHON KENSETSU KOGYO CO., LTD. | C |
| NIHON KOSHUHA CO., LTD. | 44 |

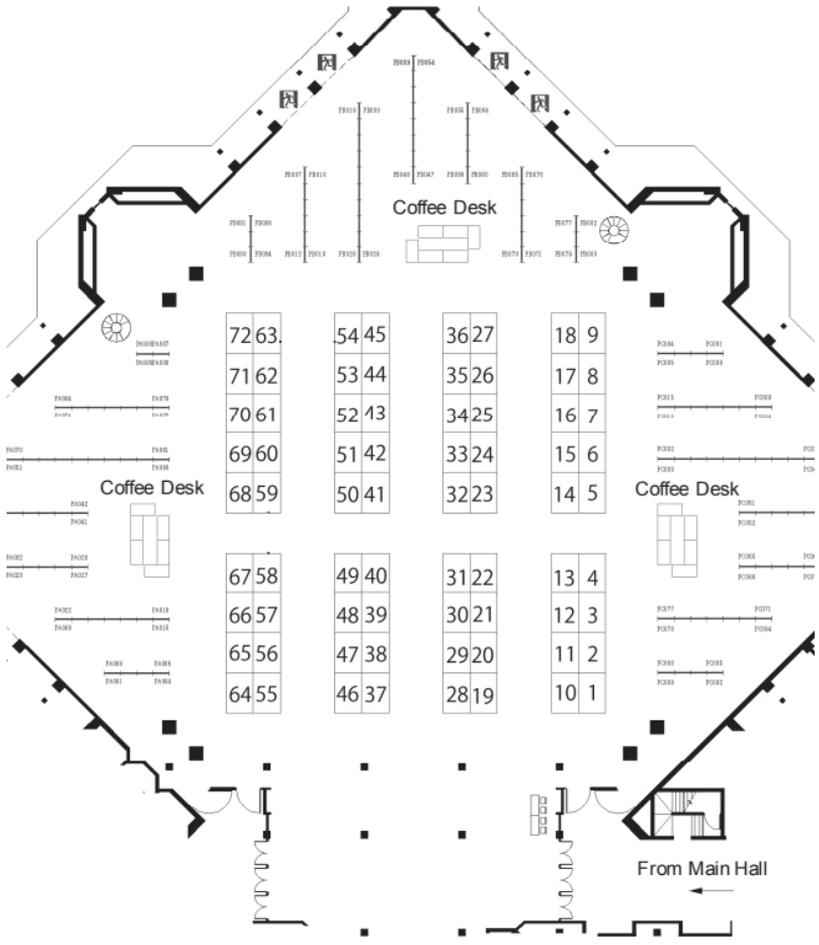
| | |
|---------------------------------------|------------|
| Orient Microwave | 51 |
| PANTECHNIK | 38 |
| RAD Device Co., Ltd. | 81 |
| RadiaBeam Technologies | 10 |
| R&K Company Limited. | 87 |
| RI Research Instruments GmbH | 69 |
| SAES Getters S.p.A. | 75 |
| Scandinova Systems AB | 72 |
| Scanditronix Magnet AB | 43 |
| SEIKO EG&G CO., LTD. | 14, 15, 16 |
| SIGMAPHI | 9 |
| SOMINEX | 39 |
| Sumitomo Heavy Industries, Ltd. | L |
| SPINNER GmbH | 8 |
| TDK-Lambda High Power | 68, C |
| Tech-X Corporation | 11 |
| THALES | 3, 4 |
| Thomson Broadcast & Multimedia AG | 47 |
| Thorlabs Japan / Menlosystems | 74 |
| Times Microwave System | 86 |
| Tokyo Denkai Co., Ltd. | 71 |
| Toshiba Corporation | 17 |
| TOSHIBA ELECTRON TUBES & DEVICES | 5, 6, B |
| Toyama Co., Ltd. | 79 |
| TSUJI ELECTRONICS Co., LTD | 55 |
| Varian Vacuum Technologies | 85 |
| Vector Fields Software | 21 |
| Vytek / Allectra / Atlas Technologies | 84 |
| Wiener Plein & Baus GmbH | 61 |
| Yokogawa Electric Corporation | 53 |
| ZTEC Instruments | 80 |

S: Industrial seminar, C: Sponsor for coffee break, B: Sponsor for conference bags, U: Sponsor for USB memories, L: Sponsor for lanyards, P: Sponsor for pens.

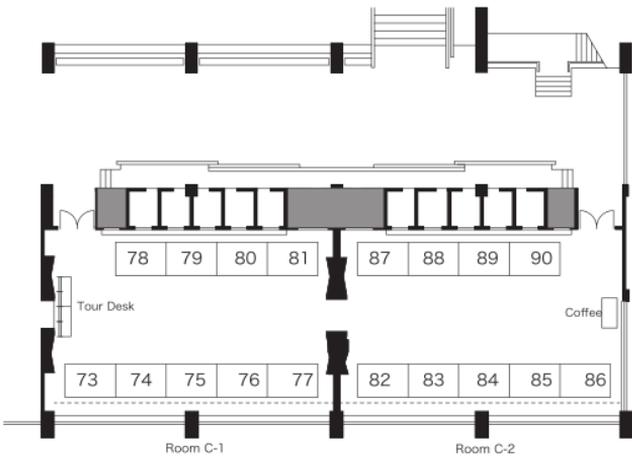
The Hitachi, Ltd. is offering donation to IPAC'10.

Cobham Technical Services will offer the industrial private seminar to conference participants, "Advanced Features of Opera: Magnet Design and Space Charge" in Room I on Tuesday 25 May.

Booth Layout --- Event Hall



Booth Layout --- Room C-1/C-2



CONFERENCE MEETINGS SCHEDULED DURING IPAC'10

Sunday, 23 May 2010

16:00-19:00 IPAC'10 SPC Meeting for Student Prize in Room 101.

Monday, 24 May 2010

12:30-14:00 ACFA Meeting in Room 104.

Tuesday, 25 May 2010

12:30-14:00 IPAC'10 OC/SPC Meeting in Room 104.

12:00-13:30 PRST-AB Editorial Board Meeting in Room 103.

Wednesday, 26 May 2010

12:30-14:00 PACCC Meeting in Room 101.

17:30-19:30 PRST-AB "Meet the Editors" Reception
in Main Lounge.

Thursday, 27 May 2010

12:30-14:00 JACoW Steering Committee in Room 157.

SATELLITE MEETINGS DURING IPAC'10

Sunday, 23 May 2010

10:00-16:00 Dr. Nishina and advancement of particle accelerators
and their applications in Japan in Main Hall.

09:00-17:30 Superconducting RF Cavity Technology and
Industrialization in Room 157.

Wednesday, 26 May 2010

13:00-17:00 IFMIF Satellite Meeting in Room 157.

Thursday, 27 May 2010

15:00-17:00 International Beam Instrumentation Conferences
with 3-Year Rotations meeting in Room 104.

Friday, 28 May 2010

16:00-18:45 Public lectures in Main Hall (in Japanese).

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WELCOME AND CLOSING REMARKS

Monday, 24 May 09:00 - 09:30

Welcome Remarks in the Main Hall

Katsunobu Oide, KEK, OC Chair

Akira Noda, Kyoto University, SPC Chair

Shin-ichi Kurokawa, KEK, Honorary OC Chair

Hideaki Karaki, Science Council of Japan

Yukihide Kamiya, KEK, Particle Accelerator Society of Japan

(Message from Prime Minister, Yukio Hatoyama)

Toshiyuki Shirai, NIRS, LOC Chair

Friday, 28 May 12:30-13:00

Closing Remarks in the Main Hall after the Special Closing Presentations

Akira Noda, Kyoto University, IPAC'10 SPC Chair

Oliver Brüning, CERN, IPAC'11 OC Chair

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| 24-May-10 | 09:30 – 10:00 | Invited Oral | Main Hall |
| MOXAMH — Special Opening Presentation | | | |
| Chair: K. Oide, KEK (Ibaraki) | | | |
| MOXAMH01 | International Collaboration with High Energy Accelerators – A. Wagner (DESY) | | |
| 24-May-10 | 10:00 – 10:30 | Invited Oral | Main Hall |
| MOXBMH — Circular Colliders | | | |
| Chair: K. Oide, KEK (Ibaraki) | | | |
| MOXBMH01 | LHC Commissioning and First Operation – S. Myers (CERN) | | |
| 24-May-10 | 11:00 – 11:30 | Invited Oral | Main Hall |
| MOYAMH — Synchrotron Light Sources and FELs | | | |
| Chair: O.S. Brüning, CERN (Geneva) | | | |
| MOYAMH01 | The First Angstrom X-rays Free Electron Laser – J.N. Galayda (SLAC) | | |
| 24-May-10 | 11:30 – 12:00 | Invited Oral | Main Hall |
| MOYBMH — Hadron Accelerators | | | |
| Chair: O.S. Brüning, CERN (Geneva) | | | |
| MOYBMH01 | World-wide Efforts on Rare Isotope and Radioactive Beams – O. Kamigaito (RIKEN Nishina Center) | | |
| 24-May-10 | 12:00 – 12:30 | Invited Oral | Main Hall |
| MOYCMH — Applications of Accelerators | | | |
| Chair: O.S. Brüning, CERN (Geneva) | | | |
| MOYCMH01 | Relativistic Ion Beams for Treating Human Cancer – W.T. Chu (LBNL) | | |
| 24-May-10 | 14:00 – 15:00 | Invited Oral | Main Hall |
| MOZMH — Hadron Accelerators | | | |
| Chair: G.-H. Luo, NSRRC (Hsinchu) | | | |
| MOZMH01 | Experience and Lessons with the SNS Superconducting Linac – Y. Zhang (ORNL) | | |
| MOZMH02 | World-wide Development of Intense Highly Charged Superconducting ECR Ion Sources – H.W. Zhao (IMP) | | |
| 24-May-10 | 15:00 – 15:40 | Contributed Oral | Main Hall |
| MOOCMH — Synchrotron Light Sources and Circular Colliders | | | |
| Chair: G.-H. Luo, NSRRC (Hsinchu) | | | |
| MOOCMH01 | Accelerator Physics Issues for the TPS – C.-C. Kuo, H.-P. Chang, H.C. Chao, M.-S. Chiu, P.J. Chou, G.-H. Luo, A. Rusanov, H.-J. Tsai, F.H. Tseng (NSRRC) | | |
| MOOCMH02 | Overview of Short Pulse X-ray Generation using Crab Cavities at SPring-8 – T. Fujita, H. Hanaki, T. Nakazato (JASRI/SPring-8) K. Akai, K. Ebihara, T. Furuya, K. Hara, T. Honma, K. Hosoyama, A. Kabe, Y. Kojima, S. Mitsunobu, Y. Morita, H. Nakai, K. Nakanishi, M. Ono, Y. Yamamoto (KEK) M. Matsuoka, K. Sennyu, T. Yanagisawa (MHI) M. Monde (Mitsubishi Heavy Industries Ltd. (MHI)) | | |

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| 24-May-10 | 15:40 – 16:00 | Contributed Oral | Main Hall |
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MOOCMH — Synchrotron Light Sources and Circular Colliders

Chair: G.-H. Luo, NSRRC (Hsinchu)

- MOOCMH03 **Beam Commissioning Status of Superconducting Crab Cavities in KEKB** – *Y. Yamamoto, K. Akai, K. Ebihara, T. Furuya, K. Hara, T. Honma, K. Hosoyama, A. Kabe, Y. Kojima, S. Mitsunobu, Y. Morita, H. Nakai, K. Nakanishi, M. Ono (KEK) T. Kanekiyo (Hitachi Technologies and Services Co., Ltd.)*

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| 24-May-10 | 14:00 – 15:00 | Invited Oral | Room A |
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MOZRA — Accelerator Technology

Chair: K. Wittenburg, DESY (Hamburg)

- MOZRA01 **Commissioning Experience and Recent Results for the Cornell High Power ERL Injector** – *F. Loehl (CLASSE)*
- MOZRA02 **Trends in the Development of Insertion Devices for a Future Synchrotron Light Source** – *C.-S. Hwang, S.D. Chen (NSRRC) T.M. Uen (NCTU)*

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| 24-May-10 | 15:00 – 16:00 | Contributed Oral | Room A |
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MOOCRA — Accelerator Technology

Chair: K. Wittenburg, DESY (Hamburg)

- MOOCRA01 **The Magnetic Model of the LHC in the Early Phase of Beam Commissioning** – *E. Todesco, B. Auchmann, L. Bottura, G. Deferne, L. Deniau, S.D. Fartoukh, M. Giovannozzi, P. Hagen, M. Lamont, RV. Remondino, F. Schmidt, R.J. Steinhagen, M. Strzelczyk, W. Venturini Delsolaro, J. Wenninger, R. Wolf (CERN) N.J. Sammut (University of Malta, Faculty of Engineering)*
- MOOCRA02 **Design and Test of the First Long Nb₃Sn Quadrupole by LARP** – *G. Ambrosio, G. Chlachidze, M.J. Lamm, A. Nobrega, E. Prebys (Fermilab) S. Caspi, H. Felice, P. Ferracin, G.L. Sabbi (LBNL) T.W. Markiewicz (SLAC) J. Schmalzle, P. Wanderer (BNL)*
- MOOCRA03 **Femtosecond Synchronization of Laser Systems for the LCLS** – *J.M. Byrd, L.R. Doolittle, G. Huang, J.W. Staples, R.B. Wilcox (LBNL) J. Arthur, J.C. Frisch, W.E. White (SLAC)*

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| 25-May-10 | 08:30 – 09:30 | Invited Oral | Main Hall |
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TUXMH — Circular Colliders

Chair: A.N. Skrinsky, BINP SB RAS (Novosibirsk)

- TUXMH01 **RHIC Luminosity Upgrade Program** – *W. Fischer (BNL)*
- TUXMH02 **LHC Optics Model Measurements and Corrections** – *R. Tomas (CERN)*

| 25-May-10 | 09:30 – 10:30 | Contributed Oral | Main Hall |
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| TUOAMH — Circular Colliders | | | |
| Chair: A.N. Skrinsky, BINP SB RAS (Novosibirsk) | | | |
| TUOAMH01 | Beam Based Setup of LHC Collimators in IR3 and IR7: Accuracy and Stability – <i>D. Wollmann, R.W. Assmann, C. Bracco, R. Losito, A. Masi, S. Redaelli, A. Rossi, V. Vlachoudis (CERN)</i> | | |
| TUOAMH02 | LHC Crab-cavity Aspects and Strategy – <i>R. Calaga (BNL) J.-P. Koutchouk, R. Tomas, J. Tuckmantel, F. Zimmermann (CERN)</i> | | |
| TUOAMH03 | Channeling and Volume Reflection Based Crystal Collimation of the Tevatron Circulating Beam Halo (T980) – <i>V.D. Shiltsev, G. Annala, R.A. Carrigan, A.I. Drozhdin, T.R. Johnson, A.M. Legan, N.V. Mokhov, R.E. Reilly, D.A. Still, R. Tesarek, J.R. Zagel (Fermilab) R.W. Assmann, V.P. Previtali, W. Scandale (CERN) Y.A. Chesnokov, I.A. Yazynin (IHEP Protvino) V. Guidi (INFN-Ferrara) Yu.M. Ivanov (PNPI) S. Peggs (BNL)</i> | | |

| 25-May-10 | 11:00 – 12:30 | Invited Oral | Main Hall |
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| TUVMH — Beam Dynamics and Electromagnetic Fields | | | |
| Chair: S.R. Koscielniak, TRIUMF (Vancouver) | | | |
| TUVMH01 | Review of Beam Dynamics Issues in MW Class Ion Linacs – <i>R.D. Duperrier (CEA)</i> | | |
| TUVMH02 | Electron Cloud at Low Emittance in CEsrTA – <i>M.A. Palmer, J.P. Alexander, M.G. Billing, J.R. Calvey, J.A. Crittenden, G. Dugan, N. Eggert, M.J. Forster, S. Greenwald, D.L. Hartill, W.H. Hopkins, D.L. Kreinick, Y. Li, X. Liu, J.A. Livezey, R.E. Meller, S.B. Peck, D.P. Peterson, D.H. Rice, N.T. Rider, D. L. Rubin, D. Sagan, R.M. Schwartz, J.P. Shanks, J.P. Sikora (CLASSE) F. Antoniou, S. Calatroni, M. Gasior, Y. Pappaphilippou, J. Pflingstner, G. Rumolo, H. Schmickler, M. Taborelli (CERN) J.M. Byrd, J.N. Corlett, S. De Santis, M.A. Furman, R. Kraft, D.V. Munson, G. Penn, D.W. Plate, M. Venturini (LBNL) J.W. Flanagan, K. Kanazawa, H. Sakai, K. Shibata, Y. Suetsugu (KEK) K.C. Harkay (ANL) R. Holtzapple (CalPoly) J.K. Jones, A. Wolski (Cockcroft Institute) M.T.F. Pivi, L. Wang (SLAC) C.-Y. Tan, R.M. Zwaska (Fermilab)</i> | | |
| TUVMH03 | Developing Peta-Scalable Algorithms for Beam Dynamic Simulations – <i>J. Xu, P.F. Fisher, M. Min, B. Mustapha, J.A. Nolen, P.N. Ostroumov (ANL)</i> | | |

| 25-May-10 | 14:00 – 15:00 | Invited Oral | Main Hall |
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| TUZMH — Beam Instrumentation and Feedback | | | |
| Chair: T. Nakamura, JASRI/SPring-8 (Hyogo-ken) | | | |
| TUZMH01 | Minimal Invasive Beam Profile Monitors for High Intense Hadron Beams – <i>P. Forck (GSI)</i> | | |
| TUZMH02 | Feedback Requirements for SASE-FELs – <i>H. Loos (SLAC)</i> | | |

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| 25-May-10 | 15:00 – 16:00 | Contributed Oral | Main Hall |
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TUOCMH — Beam Instrumentation and Feedback

Chair: T. Nakamura, JASRI/SPring-8 (Hyogo-ken)

- TUOCMH01 **Pulse-to-pulse Beam Modulation and Event-based Beam Feedback Systems at KEKB Linac** – *K. Furukawa, T.T. Nakamura, M. Satoh, T. Suwada (KEK)*
- TUOCMH02 **Stabilization and Fine Positioning to the Nanometre Level of the CLIC Main Beam Quadrupoles** – *K. Artoos, C. Hauviller, C.G.R.L. Collette, M. Guinchard, S.M.J. Janssens, A.M. Kuzmin, F. Lackner, M.V. Sylte (CERN)*
- TUOCMH03 **Initial Experience with the Machine Protection System for LHC** – *R. Schmidt, J. Wenninger (CERN)*

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| 25-May-10 | 08:30 – 09:30 | Invited Oral | Room A |
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TUXRA — Synchrotron Light Sources and FELs

Chair: F. Perez, CELLS-ALBA Synchrotron (Cerdanyola del Vallès)

- TUXRA01 **Commissioning of PETRA III** – *K. Balewski (DESY)*
- TUXRA02 **Status Report on Japanese XFEL Construction Project at SPring-8** – *T. Shintake (RIKEN/SPring-8)*

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| 25-May-10 | 09:30 – 10:30 | Contributed Oral | Room A |
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TUOARA — Synchrotron Light Sources and FELs

Chair: F. Perez, CELLS-ALBA Synchrotron (Cerdanyola del Vallès)

- TUOARA01 **FLASH Upgrade** – *K. Honkavaara, B. Faatz, J. Feldhaus, S. Schreiber, R. Treusch (DESY) J. Rossbach (Uni HH)*
- TUOARA02 **The FERMI@Elettra Commissioning** – *G. Penco, E. Al-laria, L. Badano, S. Bassanese, M. Bossi, D. Castronovo, G. Ciani, S. Cleva, P. Craievich, M.B. Danailov, R. De Monte, G. De Ninno, A.A. Demidovich, S. Di Mitri, M. Ferianis, O. Ferrando, S. Ferry, L. Froehlich, G. Gaio, R. Ivanov, M. Lonza, A.A. Lutman, S.V. Milton, M. Petronio, M. Predonzani, F. Rossi, L. Rumiz, C. Scafuri, G. Scalamera, P. Sigalotti, S. Spampinati, C. Spezzani, M. Trovo, M. Veronese (ELETTRA) L. Pavlovic (Uni LJ)*
- TUOARA03 **Characterization of the THz Source at SPARC** – *E. Chiodroni, F. A. Anelli, M. Bellaveglia, M. Boscolo, M. Castellano, L. Cultrera, G. Di Pirro, M. Ferrario, L. Ficcadenti, D. Filippetto, S. Fioravanti, G. Gatti, E. Pace, R.S. Sorchetti, C. Vaccarezza (INFN/LNF) P. Calvani, S. Lupi, D. Nicoletti (Università di Roma I La Sapienza) A. Cianchi (Università di Roma II Tor Vergata) B. Marchetti (INFN-Roma II) A. Mostacci (Rome University La Sapienza) A.R. Rossi (Istituto Nazionale di Fisica Nucleare)*

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| 25-May-10 | 11:00 – 12:30 | Invited Oral | Room A |
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TUYRA — Hadron Accelerators

Chair: A. Roy, IUAC (New Delhi)

- TUYRA01 **Project X: A Multi-MW Proton Source at Fermilab** – *S.D. Holmes (Fermilab)*
- TUYRA02 **Challenges and Solutions for J-PARC Commissioning and Early Operation** – *T. Koseki (J-PARC, KEK & JAEA)*
- TUYRA03 **Production of a 1.3 MW Proton Beam at PSI** – *M. Seidel (PSI)*

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| 25-May-10 | 14:00 – 15:00 | Invited Oral | Room A |
| TUZRA — Applications of Accelerators | | | |
| Chair: P. Schmor, TRIUMF (Vancouver) | | | |

TUZRA01 **The Role of Accelerators in the Energy Problem** – *R.L. Sheffield, E.J. Pitcher (LANL)*

TUZRA02 **Heavy Ion Programs for Applications and Fundamental Research at JINR** – *I.N. Meshkov, A.N. Sissakian, G.V. Trubnikov (JINR)*

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| 25-May-10 | 15:00 – 16:00 | Contributed Oral | Room A |
| TUOCRA — Applications of Accelerators | | | |
| Chair: P. Schmor, TRIUMF (Vancouver) | | | |

TUOCRA01 **New Treatment Facility Project at HIMAC** – *K. Noda (NIRS)*

TUOCRA02 **HIGS - A High-intensity, Mono-energetic, and Tunable Source of Polarized Gamma-rays** – *Y.K. Wu (FEL/Duke University)*

TUOCRA03 **Present Status and Future of FFAGs at KURRI and the First ADSR Experiment** – *Y. Ishi, M. Inoue, Y. Kuriyama, J.-B. Lagrange, Y. Mori, T. Planche, M. Takashima, T. Uesugi, E. Yamakawa (KURRI) H. Imazu, K. Okabe, I. Sakai, Y. Takahoko (University of Fukui, Faculty of Engineering)*

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| 26-May-10 | 08:30 – 09:30 | Invited Oral | Main Hall |
| WEXMH — Circular Colliders | | | |
| Chair: H. Koiso, KEK (Ibaraki) | | | |

WEXMH01 **Status and Performance of BEPCII** – *Q. Qin, L. Ma, J.Q. Wang, C. Zhang (IHEP Beijing)*

WEXMH02 **Future Electron-Hadron Colliders** – *V. Litvinenko (BNL)*

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| 26-May-10 | 09:30 – 10:30 | Contributed Oral | Main Hall |
| WEOAMH — Circular Colliders | | | |
| Chair: H. Koiso, KEK (Ibaraki) | | | |

WEOAMH01 **Beam Tests of a Clearing Electrode for Electron Cloud Mitigation at KEKB Positron Ring** – *Y. Suetsugu, H. Fukuma, K. Shibata (KEK) M.T.F. Pivi, L. Wang (SLAC)*

WEOAMH02 **Recent Progress of KEKB** – *Y. Funakoshi (KEK)*

WEOAMH03 **Low Secondary Electron Yield Carbon Coatings for Electron-cloud Mitigation in Modern Particle Accelerators** – *C. Yin Vallgren, A. Ashraf, S. Calatroni, P. Chiggiato, P. Costa Pinto, H.P. Marques, H. Neupert, M. Taborelli, W. Vollenberg, I. Wevers, K. Yaquab (CERN)*

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| 26-May-10 | 11:00 – 11:30 | Invited Oral | Main Hall |
| WEYMH — Linear Colliders, Lepton Accelerators and New Acceleration Techniques | | | |
| Chair: G. Arduini, CERN (Geneva) | | | |

WEYMH01 **Status of the International Linear Collider** – *K. Yokoya (KEK)*

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| 26-May-10 | 11:30 – 12:30 | Contributed Oral | Main Hall |
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WEOBMH — Linear Colliders, Lepton Accelerators and New Acceleration Techniques

Chair: G. Arduini, CERN (Geneva)

- WEOBMH01 **Operational Experiences Tuning the ATF2 Final Focus Optics Towards Obtaining a 37nm Electron Beam IP Spot Size** – *G.R. White, A. Seryi, M. Woodley (SLAC) S. Bai (IHEP Beijing) P. Bambade, Y. Renier (LAL) B. Bolzon (IN2P3-LAPP) Y. Kamiya (ICEPP) S. Komamiya, M. Orouku, Y. Yamaguchi, T. Yamanaka (University of Tokyo) K. Kubo, S. Kuroda, T. Okugi (KEK) E. Marin (CERN)*
- WEOBMH02 **Multi-bunch Beam Extraction by using Strip-line Kicker at KEK-ATF** – *T. Naito, S. Araki, H. Hayano, K. Kubo, S. Kuroda, T. Okugi, N. Terunuma, J. Urakawa (KEK)*
- WEOBMH03 **The Baseline Positron Production and Capture Scheme for CLIC** – *O. Dadoun, P. Lepercq, F. Poirier, A. Variola (LAL) R. Chehab (IN2P3 IPNL) T. Omori (KEK) L. Rinolfi, A. Vivoli (CERN) V.M. Strakhovenko (BINP SB RAS)*

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| 26-May-10 | 14:00 – 15:00 | Invited Oral | Main Hall |
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WEZMH — Beam Instrumentation and Feedback

Chair: I.S. Ko, PAL (Pohang, Kyungbuk)

- WEZMH01 **Beam Diagnostics with Synchrotron Radiation in Light Sources** – *S. Takano (JASRI/SPring-8)*
- WEZMH02 **Instrumentation for the ATF2 Facility** – *N. Terunuma (KEK)*

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| 26-May-10 | 15:00 – 16:00 | Contributed Oral | Main Hall |
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WEOCMH — Beam Instrumentation and Feedback

Chair: I.S. Ko, PAL (Pohang, Kyungbuk)

- WEOCMH01 **First Beam Test of the Tilt Monitor in the ATF2 Beam Line** – *D. Okamoto (Tohoku University, Graduate School of Science) Y. Honda, T. Tauchi (KEK) T. Sanuki (Tohoku University, School of Science)*
- WEOCMH02 **Recent Developments of the Beam Arrival Time Monitor with Femtosecond Resolution at FLASH** – *M.K. Bock, M. Felber, P. Gessler, K.E. Hacker, H. Schlarb, B. Schmidt (DESY) F. Loehl (CLASSE) S. Schulz (Uni HH)*
- WEOCMH03 **Bunch Length Measurements by SR/Laser Cross-Correlation** – *W.J. Corbett (SLAC), T. Miller, D.R. Daranciang, A. Lindenberg (Stanford University) A.S. Fisher, X. Huang, W.Y. Mok, J.A. Safranek, H. Wen (SLAC)*

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| 26-May-10 | 08:30 – 09:30 | Invited Oral | Room A |
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WEXRA — Synchrotron Light Sources and FELs

Chair: V.P. Suller, LSU/CAMD (Baton Rouge, Louisiana)

- WEXRA01 **Review of Third Generation Light Sources** – *W. Namkung (PAL)*
- WEXRA02 **Echo Enhanced Harmonic Generation** – *G.V. Stupakov (SLAC)*

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| 26-May-10 | 09:30 – 10:30 | Contributed Oral | Room A |
| WEOARA — Synchrotron Light Sources and FELs | | | |
| Chair: V.P. Suller, LSU/CAMD (Baton Rouge, Louisiana) | | | |

WEOARA01 **Operational Status of the Shanghai Synchrotron Radiation Facility** – *Z.T. Zhao, H.G. Xu (SINAP)*

WEOARA02 **Progress Report of SESAME Project** – *A. Nadji, T.H. Abu-Hanieh, A. Al-Adwan, M.A. Al-najdawi, A. Amro, M. Attal, S. Budair, D.S. Foudeh, A. Hamad, A. Kaftoosian, T.A. Khan, F. Makahleh, S.A. Matalgah, M. Sbahi, M.M. Shehab, H. Tarawneh, S. Varnasseri (SESAME)*

WEOARA03 **Novosibirsk Free Electron Laser Facility: Two-orbit ERL with Two FELs** – *N. Vinokurov, E.N. Dementyev, B.A. Dovzhenko, Ya.V. Getmanov, E.I. Kolobanov, V.V. Kubarev, G.N. Kulipanov, L.E. Medvedev, S.V. Miginsky, L.A. Mironenko, V. Ovchar, K.V. Palagin, B.Z. Persov, V.M. Popik, T.V. Salikova, M.A. Scheglov, S.S. Serednyakov, O.A. Shevchenko, A.N. Skrinsky, V.G. Tcheskidov, Y.F. Tokarev, P. Vobly, N.S. Zaigraeva (BINP SB RAS) B.A. Knyazev, N. Vinokurov (NSU)*

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| 26-May-10 | 11:00 – 11:30 | Invited Oral | Room A |
| WEYRA — Hadron Accelerators | | | |
| Chair: H. Okamoto, HU/AdSM (Higashi-Hiroshima) | | | |

WEYRA01 **The FAIR Accelerators: Highlights and Challenges** – *O. Boine-Frankenheim (GSI)*

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| 26-May-10 | 11:30 – 12:30 | Contributed Oral | Room A |
| WEOBRA — Beam Dynamics and Electromagnetic Fields | | | |
| Chair: H. Okamoto, HU/AdSM (Higashi-Hiroshima) | | | |

WEOBRA01 **Benchmarking of the NTRM Method on Octupolar Non-linear Components at the CERN-SPS Synchrotron** – *A.S. Parfenova, G. Franchetti (GSI) R. Tomas, G. Vanbavinckhove (CERN)*

WEOBRA02 **Simulation of E-Cloud Driven Instability and its Attenuation using a Simulated Feedback System in the CERN SPS** – *J.-L. Vay, M.A. Furman, G. Penn, M. Venturini (LBNL) J.D. Fox, C.H. Rivetta (SLAC)*

WEOBRA03 **Beam Break-up Estimates for the ERL Prototype at BNL** – *I. Ben-Zvi, R. Calaga, H. Hahn, L.R. Hammons, A. Kayran, J. Kewisch, V. Litvinenko (BNL)*

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| 26-May-10 | 14:00 – 16:00 | Industry | Room A |
| WEIRA — Session for Industry | | | |
| Chair: N. Ozaki, Technology Consultancy for Energy, Environment and Advanced Technologies (Zushi, Kanagawa) | | | |

WEIRA01 **Experience of Academia-industry Collaboration on Accelerator Projects in Asia** – *A. Yamamoto (KEK)*

WEIRA02 **Present Status of the Accelerator Industry in Asia** – *C.-X. Tang (TUB)*

WEIRA03 **Experience of Academia-industry Collaboration on Accelerator Projects in Europe** – *D. Einfeld (CELLS-ALBA Synchrotron)*

- WEIRA04 **Present Status and Future Outlook of the Accelerator Industry in Europe** – *R. Ursic (I-Tech)*
- WEIRA05 **Experience in Academia-industry Collaboration on Accelerator Projects in North America** – *W.-T. Weng (BNL)*
- WEIRA06 **Present Status of the Accelerator Industry in North America** – *J.E. Clayton (Varian Medical Systems, Oncology Systems)*

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| 27-May-10 | 08:30 – 09:30 | Invited Oral | Main Hall |
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THXMH — Linear Colliders, Lepton Accelerators and New Acceleration Techniques

Chair: C. Zhang, IHEP Beijing (Beijing)

- THXMH01 **Commissioning of the EMMA Non-Scaling FFAG** – *T.R. Edgecock (STFC/RAL)*
- THXMH02 **International Design Study of a Neutrino Factory** – *J.S. Berg (BNL)*

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| 27-May-10 | 09:30 – 10:30 | Contributed Oral | Main Hall |
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THOAMH — Linear Colliders, Lepton Accelerators and New Acceleration Techniques

Chair: C. Zhang, IHEP Beijing (Beijing)

- THOAMH01 **Recirculating Linear Accelerators for Future Muon Facilities** – *S.A. Bogacz (JLAB) K.B. Beard, R.P. Johnson (Muons, Inc)*
- THOAMH02 **High Frequency, High Gradient Dielectric Wakefield Acceleration Experiments at SLAC and BNL** – *J.B. Rosenzweig, G. Travish (UCLA) M.J. Hogan (SLAC) P. Muggli (USC)*
- THOAMH03 **Control and Pulsewidth-measurement of Laser Accelerated Electron Beams** – *H. Kotaki, S.V. Bulanov, Y. Hayashi, T. Homma, M. Kando, K. Kawase, J. Koga, M. Mori (JAEA)*

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| 27-May-10 | 11:00 – 11:30 | Invited Oral | Main Hall |
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THYMH — Hadron Accelerators

Chair: T. Roser, BNL (Upton, Long Island, New York)

- THYMH01 **Lanzhou Cooler Storage Ring Commissioning** – *J.C. Yang, J.W. Xia, Y.J. Yuan (IMP)*

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| 27-May-10 | 11:30 – 12:30 | Contributed Oral | Main Hall |
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THOBMH — Hadron Accelerators

Chair: T. Roser, BNL (Upton, Long Island, New York)

- THOBMH01 **The Proton Engineering Frontier Project** – *B.H. Choi, K.Y. Kim (KAERI)*
- THOBMH02 **Results from the 2009 Beam Commissioning of the CERN Multi-turn Extraction** – *M. Giovannozzi, E. Benedetto, A. Blas, T. Bohl, S. Cettour Cave, K. Cornelis, D.G. Cotte, H. Damerou, M. Delrieux, J. Fleuret, F. Follin, T. Fowler, P. Freyermuth, H. Genoud, S.S. Gilardoni, S. Hancock, O. Hans, Y. Le Borgne, D. Manglunki, E. Matli, G. Métral, E. Métral, M. Newman, L. Pereira, F.C. Peters, Y. Riva, F. Roncarolo, L. Sermeus, R.R. Steerenberg, B. Vanderorpe, J. Wenninger (CERN) F Franchi (ESRF)*

THOBMH03 **Coulomb Crystal Extraction from an Ion Trap for Application to Nano-beam Source** – *K. Ito, H. Higaki, K. Izawa, H. Okamoto (HUI/AdSM) H. Takeuchi (Hiroshima University, Faculty of Science)*

27-May-10 08:30 – 09:30 Invited Oral Room A

THXRA — Accelerator Technology

Chair: C. Adolphsen, SLAC (Menlo Park, California)

THXRA01 **First Operational Experience with the LHC Cryogenic System** – *S.D. Claudet (CERN)*

THXRA02 **Review of SRF Cavities for ILC, XFEL and ERL Applications** – *H. Hayano (KEK)*

27-May-10 09:30 – 10:30 Contributed Oral Room A

THOARA — Accelerator Technology

Chair: C. Adolphsen, SLAC (Menlo Park, California)

THOARA01 **IHEP 1.3 GHz SRF Technology R&D Progress** – *J. Gao, Y.L. Chi, J.P. Dai, S.P. Li, W.M. Pan, Y. Sun, J.Y. Zhai (IHEP Beijing)*

THOARA02 **Preparation Phase for the European XFEL Cavity Production** – *W. Singer, S. Aderhold, A. Brinkmann, R. Brinkmann, J. Iversen, G. Kreps, L. Lilje, A. Matheisen, W.-D. Moeller, D. Reschke, A. Schmidt, J.K. Sekutowicz, X. Singer, H. Weise (DESY) P.M. Michelato (INFN/LASA)*

THOARA03 **ILC Marx Modulator Development Program Status** – *C. Burkhart, A.L. Benwell, T.G. Beukers, M.A. Kemp, R.S. Larsen, D.J. MacNair, K.J.P. Macken, M.N. Nguyen, J.J. Olsen, T. Tang (SLAC)*

27-May-10 11:00 – 11:30 Invited Oral Room A

THYRA — Beam Dynamics and Electromagnetic Fields

Chair: J. Urakawa, KEK (Ibaraki)

THYRA01 **Beam-beam Interaction in Novel, Very High Luminosity Parameter Regimes** – *M. Zobov (INFN/LNF)*

27-May-10 11:30 – 12:30 Contributed Oral Room A

THOBRA — Beam Dynamics and Electromagnetic Fields

Chair: J. Urakawa, KEK (Ibaraki)

THOBRA01 **Synchrotron Oscillation Damping due to Beam-beam Collisions** – *A. Drago, P. Raimondi, M. Zobov (INFN/LNF)*

THOBRA02 **Suppression of Transverse Instabilities by Chromaticity Modulation** – *Y. Shoji (NewSUBARU/SPRING-8, Hyogo), T. Nakamura, N. Kumagai, S. Matsui, H. Ohkuma, T. Ohshima, H. Takebe (JASRI/SPRING-8) A. Ando, S. Hashimoto (NewSUBARU/SPRING-8, Hyogo) K. Kumagai (RIKEN Nishina Center)*

THOBRA03 **Observation of Transverse-Longitudinal Coupling Effect at UVSOR-II** – *M. Shimada (KEK) M. Adachi, M. Katoh, S.I. Kimura (UVSOR) M. Hosaka, Y. Takashima, N. Yamamoto (Nagoya University) T. Takahashi (KURRI) T. Tanikawa (Sokendai - Okazaki)*

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| 27-May-10 | 13:30 – 15:00 | Prize Presentations | Main Hall |
| THPPMH — Prize Presentations | | | |
| Chair: W. Namkung, PAL (Pohang, Kyungbuk) | | | |
| THPPMH01 | Accelerating Polarized Protons to High Energy – <i>M. Bai (BNL)</i> | | |
| THPPMH02 | The Joy of Accelerator Physics – <i>J. Wei (TUB)</i> | | |
| THPPMH03 | Four Decades of Colliders (from the ISR to LEP to the LHC) – <i>S. Myers (CERN)</i> | | |
| THPPMH04 | IPAC'10 Award for the JACoW Collaboration – <i>VRW Schaa (GSI) C. Petit-Jean-Genaz (CERN)</i> | | |
| 27-May-10 | 15:00 – 16:00 | Entertainment | Main Hall |
| THEMH — Spirit of Tea Ceremony | | | |
| Chair: S.-I. Kurokawa, KEK (Ibaraki) | | | |
| THEMH01 | The Spirit of Tea – <i>G. Sen (Grand Master of Tea)</i> | | |
| 28-May-10 | 08:30 – 09:00 | Invited Oral | Main Hall |
| FRXAMH — Special Presentation | | | |
| Chair: C. Biscari, INFN/LNF (Frascati (Roma)) | | | |
| FRXAMH01 | CP Violation and B-factory Experiments – <i>M. Kobayashi (KEK)</i> | | |
| 28-May-10 | 09:00 – 09:30 | Invited Oral | Main Hall |
| FRXBMH — Circular Colliders | | | |
| Chair: C. Biscari, INFN/LNF (Frascati (Roma)) | | | |
| FRXBMH01 | Next Generation B-factories – <i>M. Masuzawa (KEK)</i> | | |
| 28-May-10 | 09:30 – 10:30 | Invited Oral | Main Hall |
| FRXCMH — Linear Colliders, Lepton Accelerators and New Acceleration Techniques | | | |
| Chair: C. Biscari, INFN/LNF (Frascati (Roma)) | | | |
| FRXCMH01 | Towards CLIC Feasibility – <i>J.-P. Delahaye (CERN)</i> | | |
| FRXCMH02 | Plasma Accelerators for Future Colliders – <i>C. Joshi (UCLA)</i> | | |
| 28-May-10 | 11:00 – 12:30 | Invited Oral | Main Hall |
| FRYMH — Special Closing Presentations | | | |
| Chair: A. Noda, Kyoto ICR (Uji, Kyoto) | | | |
| FRYMH01 | International Energy Related Developments, ITER and IFMIF – <i>N.R. Holtkamp (ITER)</i> | | |
| FRYMH02 | Cloud Project: Climate Research with Accelerators – <i>J. Kirkby (CERN)</i> | | |
| FRYMH03 | The Pierre Auger Observatory: Cosmic Accelerators and the Most Energetic Particles in the Universe – <i>J. Bluemer (KIT, KCETA)</i> | | |

| 24-May-10 | 16:00 – 18:00 | Poster | Event Hall, Poster Area A |
|------------------------|---|--------|---------------------------|
| MOPEA — Poster Session | | | |
| MOPEA001 | Production and Characterisation of Inverse Compton Scattering X-rays with a 17 MeV Electron Beam – A.S. Chauchat, JP. Brasile (THALES) A. Binet, V. Le Flanchec, J-P. Nègre (CEA) J.-M. Ortega (CLIO/ELISE/LCP) | | |
| MOPEA002 | Eye Tumour Therapy in Berlin – A. Denker (HMI) D. Cordini, J. Heufelder, R. Stark, A. Weber (Charite) C.R. Rethfeldt, J.R. Roehrich (HZB) | | |
| MOPEA003 | Linac Commissioning at the Italian Hadrontherapy Centre CNAO – B. Schlitt, G. Clemente, C.M. Kleffner, M.T. Maier, A. Reiter, W. Vinzenz, H. Vormann (GSI) C. Biscari (INFN/LNF) E. Bressi, M. Pullia, E. Vacchieri, S. Vitulli (CNAO Foundation) A. Pisent, P.A. Posocco, C. Roncolato (INFN/LNL) | | |
| MOPEA004 | Accelerators Tailored for Medical Use in Particle Therapy – M. Braeuer (Siemens Med) | | |
| MOPEA005 | Status of the SIEMENS Particle Therapy Accelerators IONTRIS – P. Urschütz, S. Emhofer, V.L. Lazarev, M. Leghissa, H. Rohdjess, R. Schedler, B. Steiner, E. Tanke (Siemens Med) H.K. Andersen, M. Budde, F. Bødker, J.S. Gretlund, I. Jensen, H.B. Jeppesen, C.V. Nielsen, C.G. Pedersen, S.V. Weber (Siemens DK) | | |
| MOPEA006 | Operational Status and Further Enhancements of the HIT Accelerator Facility – A. Peters, R. Cee, E. Feldmeier, M. Galonska, Th. Haberer, S. Scheloske, C. Schömers, T. Winkelmann (HIT) | | |
| MOPEA007 | Fast Raster Scanning System for HIMAC New Treatment Facility – T. Furukawa, T. Inaniwa, Y. Iwata, K. Katagiri, K. Mizushima, K. Noda, S. Sato, T. Shirai, Y. Takei, E. Takeshita (NIRS) | | |
| MOPEA008 | Multiple-energy Operation with Quasi-DC Extension of a Flat Top at HIMAC – Y. Iwata, T. Furukawa, K. Noda, T. Shirai, E. Takada (NIRS) T. Fujimoto, T. Kadowaki, H. Uchiyama (AEC) | | |
| MOPEA009 | Beam Transport Line and Gantry Design for New Treatment Facility at HIMAC – T. Shirai, T. Furukawa, Y. Iwata, K. Noda, S. Sato, E. Takeshita (NIRS) T. Fujimoto, Y. Sano (AEC) | | |
| MOPEA010 | Beam Measurement of X-band Linac for Compton Scattering X-ray Generation – T. Natsui (UTNL) K. Lee, M. Uesaka (The University of Tokyo, Nuclear Professional School) A. Mori (University of Tokyo) F. Sakamoto (Akita National College of Technology) | | |
| MOPEA011 | Compact Accelerator System for Proton Beam Therapy with Pencil-Beam Scanning Irradiation Method – F. Ebina, H. Hiramoto, H. Nishiuchi, F. Noda, T. Norimine, K. Saito, S. Totake, M. Umezawa (Hitachi, Ltd., Energy and Environmental System Laboratory) | | |
| MOPEA012 | A Compact and High-Proton-Yield Microwave Ion Source for Proton Linac – T. Iga, S. Hara, T. Seki (Hitachi, Ltd., Energy and Environmental System Laboratory) | | |

- MOPEA013 **Laser-driven Proton Accelerator for Medical Application** – M. Nishiuchi, P.R. Bolton, T. Hori, K. Kondo, A.S. Pirozhkov, A. Sagisaka, H. Sakaki, A. Yogo (JAEA) Y. Iseki, T. Yoshiyuki (Toshiba) S. Kanazawa, H. Kiriya, M. Mori, K. Ogura, S. Orimo (JAEA/Kansai) A. Noda, H. Souda, H. Tongu (Kyoto ICR) T. Shirai (NIRS)
- MOPEA014 **DNA Double-Strand Break Induction in A549 Cells with a Single-Bunch Beam of Laser-Accelerated Protons** – A. Yogo (JAEA)
- MOPEA015 **Calculation of the Radiation Shielding for Laser-driven Proton Therapy Equipment** – H. Sakaki, P.R. Bolton, T. Hori, M. Nishiuchi (JAEA) K. Niita (RIST)
- MOPEA016 **The Beam Characteristics of Intensity-modulated Radiotherapy 6MeV Standing Wave Accelerating Tube** – H. Chen, Q.X. Jin, Y. Z. Lin (TUB)
- MOPEA017 **C-band 9 MeV / 12 MeV SW Electron Linear Accelerating Tube Design** – Q.X. Jin, H. Chen, D.C. Tong (TUB)
- MOPEA018 **Study of the Install a Small Animal Experiment Equipment in a MC-50 Cyclotron LEPT Beam Line** – M.H. Jung, J.-K. Kil, K. R. Kim, S.J. Ra (KAERI)
- MOPEA019 **Study on the Injection System for Compact Cyclotron Mass Spectrometry** – D.G. Kim, H.-C. Bhang, J.Y. Kim (SNU) J.-W. Kim (NCC, Korea) C.C. Yun (Chung-Ang University)
- MOPEA020 **Overview of the MedAustron Design and Technology Choices** – M. Benedikt, M. Palm, W. Pirkl (CERN) U. Dorda, A. Fabich (EBG MedAustron)
- MOPEA021 **PAMELA: Overview and Status** – K.J. Peach, J.H. Cobb, S.L. Sheehy, H. Witte, T. Yokoi (JAI) M. Aslaninejad, M.J. Easton, J. Pasternak (Imperial College of Science and Technology, Department of Physics) R.J. Barlow, H.L. Owen, S.C. Tygier (UMAN) C.D. Beard, P.A. McIntosh, S.M. Pattalwar, S.L. Smith, S.I. Tzenov (STFC/DL/ASTeC) N. Bliss, T.J. Jones, J. Strachan (STFC/DL) T.R. Edgecock, J.K. Pozimski (STFC/RAL) R.J.L. Fenning, A. Khan (Brunel University) I.S.K. Gardner, D.J. Kelliher, S. Machida (STFC/RAL/ASTeC) M.A. Hill (GIROB) C. Johnstone (Fermilab) B. Jones, B. Vojnovic (Gray Institute for Radiation Oncology and Biology) R. Seviour (Cockcroft Institute, Lancaster University)
- MOPEA022 **PAMELA: Lattice Solution for a Medical C⁶⁺ Therapy Facility** – S.L. Sheehy, K.J. Peach, H. Witte, T. Yokoi (JAI) D.J. Kelliher, S. Machida (STFC/RAL/ASTeC)
- MOPEA023 **Engaging Schools and the Public with Accelerator Physics** – S.L. Sheehy (JAI)
- MOPEA024 **Portable X-Ray Imaging using an Array of Electron Microemitters** – G. Travish, J.B. Rosenzweig, A.M. Tremaine (UCLA) R.B. Yoder (Manhattanville College)
- MOPEA025 **Accelerator Production Options for 99Mo** – K.J. Bertsche (SLAC)

- MOPEA026 **Update on the Innovative Carbon/Proton Non-scaling FFAG Isocentric Gantries for the Cancer Therapy** – D. Trbojevic (BNL)
- MOPEA027 **A Compact Affordable Proton Cancer Therapy Accelerator with Permanent Magnets** – D. Trbojevic, I. Ben-Zvi, M. Blaskiewicz (BNL)
- MOPEA028 **Lattice Design for the ERL Medium Energy Electron Ion Collider in RHIC** – D. Trbojevic, J. Beebe-Wang, X. Chang, Y. Hao, A. Kayran, V. Litvinenko, B. Parker, V. Ptitsyn, N. Tsoupas (BNL) E. Pozdeyev (FRIB)
- MOPEA029 **Ion Beams by Laser Ion Source for Modification of Polymers** – L. Velardi, M.V. Siciliano (INFN-Lecce) V. Nassisi (LEAS) F. Paladini (Laboratorio di Elettronica Applicata e Strumentazione, LEAS,) A.C. Rainò (INFN-Bari)
- MOPEA030 **Material Recognition System using 950 keV X-band Linac with Dual Energy X-ray Scintillator Array** – K. Lee, E. Hashimoto, S. Hirai, M. Uesaka, T. Yamamoto (The University of Tokyo, Nuclear Professional School) T. Natsui (UTNL)
- MOPEA031 **Application of Liquid Cluster Ion Beams in Surface Processing** – H. Ryuto, G.H. Takaoka, M. Takeuchi (Kyoto University, Photonics and Electronics Science and Engineering Center)
- MOPEA032 **Carbon Implantation by Polyatomic Ion Source of Organic Liquids** – M. Takeuchi, H. Ryuto, G.H. Takaoka (Kyoto University, Photonics and Electronics Science and Engineering Center)
- MOPEA033 **Characteristics of the Electron Linac Based Coherent Radiation Light Source at OPU** – S. Okuda, T. Kojima, R. Taniguchi (Osaka Prefecture University)
- MOPEA034 **Study of Positron Production System using Superconducting Electron Linac** – N. Hayashizaki (RLNR) R. Kuroda, N. Oshima, R. Suzuki (AIST) E.J. Minehara (WERC)
- MOPEA035 **Pulse Radiolysis with Supercontinuum Probe Generated by PCF** – Y. Hosaka, R. Betto, A. Fujita, K. Sakaue, M. Washio (RISE) S. Kashiwagi (ISIR) R. Kuroda (AIST) K. Ushida (RIKEN)
- MOPEA036 **Design of High Brightness Light Source based on Laser-Compton Undulator for EUV Lithography Mask Inspection** – K. Sakaue, A. Endo, M. Washio (RISE)
- MOPEA037 **Activation and Discoloration of Polymer by Proton Beam** – S.J. Ra, M.H. Jung, K. R. Kim (KAERI)
- MOPEA038 **Gamma-Ray Source for Nuclear Resonance Fluorescence Based on Compton Storage Ring** – P. Gladkikh, E.V. Bulyak, V.A. Skomorokhov (NSC/KIPT) T. Omori, J. Urakawa (KEK)
- MOPEA039 **Beam Study for FFAG Accelerator at KURRI** – Y. Kuriyama, Y. Ishi, J.-B. Lagrange, Y. Mori, T. Planche, M. Takashima, T. Uesugi, E. Yamakawa (KURRI) H. Imazu, K. Okabe, I. Sakai, Y. Takahoko (University of Fukui, Faculty of Engineering)

- MOPEA040 **Study on Neutronics Design of an Accelerator Driven Subcritical Reactor** – C. Bungau (*Manchester University*) R.J. Barlow (*UMAN*) R. Cywinski (*University of Huddersfield*)
- MOPEA041 **Multi-GeV High-Current SRF Linacs for Very Large Power Stations** – R.P. Johnson, C.M. Ankenbrandt (*Muons, Inc*) M. Popovic (*Fermilab*)
- MOPEA042 **Epicyclic Helical Channels for Parametric Resonance Ionization Cooling** – A. Afanasev, V. Ivanov, R.P. Johnson (*Muons, Inc*) S.A. Bogacz, Y.S. Derbenev (*JLAB*) V. Morozov (*ODU*)
- MOPEA043 **Quasi-Monoenergetic Photon Source Based on Electron-Positron Annihilation** – A. Afanasev, R.J. Abrams, C.M. Ankenbrandt, K.B. Beard, M.A.C. Cummings, R.P. Johnson, T.J. Roberts, C. Y. Yoshikawa (*Muons, Inc*) M. Popovic (*Fermilab*)
- MOPEA044 **Quasi-monochromatic Positrons using Dipole and Wedge** – R.J. Abrams, C.M. Ankenbrandt, C. Y. Yoshikawa (*Muons, Inc*)
- MOPEA045 **Positron Production for a Compact Tunable Intense Gamma Ray Source** – C. Y. Yoshikawa, A. Afanasev, C.M. Ankenbrandt, K.B. Beard (*Muons, Inc*) D.V. Neuffer (*Fermilab*)
- MOPEA046 **Design and Experimental Plan of an Inverse Compton Scattering Gamma Ray Source** – S. Boucher, P. Frigola, A.Y. Murokh, M. Ruelas, R. Tikhoplav (*RadiaBeam*) M. Babzien (*BNL*) I. Jovanovic (*Purdue University*) J.B. Rosenzweig, G. Travish (*UCLA*)
- MOPEA047 **Design of a Compact, Inexpensive Linac for Use in Self-contained Irradiators** – S. Boucher, X.D. Ding, A.Y. Murokh (*RadiaBeam*)
- MOPEA048 **Highlights of Accelerator Activities in France on behalf of the Accelerator Division of the French Physics Society** – B. Cros (*Laboratoire de Physique des Gaz et des Plasmas, Universite Paris-Sud*) P. Ausset (*IPN*) M.A. Baylac (*LPSC*) F. Chautard (*GANIL*) J. Denard (*SOLEIL*) F. Kircher, J.-L. Lemaire (*CEA*) P. Maccioni (*SDMS*) J.-L. Revol (*ESRF*) R. Roux (*LAL*)
- MOPEA049 **Application of Particle Accelerators to High Energy Density Physics Research: The HEDgeHOB Collaboration** – N.A. Tahir, T. Stoehlker (*GSI*) V.E. Fortov, I. Lomonosov, A. Shutov (*IPCP*) R. Piriz (*Universidad de Castilla-La Mancha*) R. Redmer (*Rostock University*)
- MOPEA050 **Prototype Development of a 15 MeV Electron Linac** – T.S. Dixit, S.T. Chavan, R. Krishnan, C.S. Nainwad, S.N. Pethe, K.A. Thakur, T. Tiwari, M.M. Vidwans (*SAMEER*) A. Deshpande (*Sokendai*)
- MOPEA051 **Preliminary Design of the AEGIS Test Facility** – L. Dassa, D. Cambiaghi (*Università di Brescia*) L. Dassa (*I.N.F.N.*) D. Perini (*CERN*)

- MOPEA052 **Sub-micrometer Resolution Transverse Electron Beam Size Measurement System based on Optical Transition Radiation** – A.S. Aryshev, N. Terunuma, J. Urakawa (KEK) S.T. Boogert, V. Karataev (JAI) D.F. Howell (OXFORD-physics)
- MOPEA053 **A Compact Soft X-ray Source based on Thomson Scattering of Coherent Diffraction Radiation** – A.S. Aryshev, S. Araki, M.K. Fukuda, J. Urakawa (KEK) V. Karataev (JAI) G.A. Naumenko (INPR) A. Potylitsyn, L.G. Sukhikh, D. Verigin (TPU) K. Sakaue (RISE)
- MOPEA054 **Design of an E-g Converter for a 10 MeV Electron Beam** – L. Auditore (INFN - Gruppo Messina) L. Auditore, R.C. Barnà, D. Loria, E. Morgana, A. Trifirò, M. Trimarchi (Università di Messina) G. Di Bella (Università di Messina, Facoltà di Ingegneria)
- MOPEA055 **Development of the Focusing System for a Highly Bright X-ray Generator** – T. Sakai, M. Ikeda, S. Ohsawa, T. Sugimura (KEK) N. Sakabe (FAIS)
- MOPEA056 **Lifetime Measurement of HBC Stripper Foil using 3.2 MeV Ne⁺ for RCS of J-PARC** – Y. Takeda, Y. Irie, H. Kawakami, M. Oyaizu, I. Sugai, A. Takagi (KEK) T. Hattori, K.K. Kawasaki (TIT)
- MOPEA057 **Social Aspects of Japanese High Energy Accelerators** – K. Hirata (GUAS) E. Kikutani, M. Sekimoto (KEK) Y. Takaiwa (Tsukuba University of Technology, Kasuga Campus)
- MOPEA058 **Measurement of the Parametric X-rays with the Rocking Curve Method** – Y. Hayashi, S.V. Bulanov, T. Homma, M. Kando, K. Kawase, H. Kotaki (JAEA)
- MOPEA059 **Laser Acceleration of Negative Ions by Coulomb Impulsion Mechanism** – T. Nakamura, S.V. Bulanov, H. Daido, T. Esirkepov, A. Faenov, Y. Fukuda, Y. Hayashi, T.K. Kameshima, M. Kando, T. Pikuz, A.S. Pirozhkov, M. Tampo, A. Yogo (JAEA/Kansai)
- MOPEA060 **Reconstructions of the Control System for the Charge Exchange System at the 3GeV RCS in J-PARC** – M. Kawase, M. Kinsho, O. Takeda, Y. Yamazaki, M. Yoshimoto (JAEA/J-PARC)
- MOPEA061 **Status Report on RAPID, 1.7MV Tandem Accelerator System, the University of Tokyo** – S. Ito, H. Matsuzaki, Y. Miyairi, A. Morita, N. Nakano, Y. Sunohara (The University of Tokyo)
- MOPEA062 **Development of Advanced Quantum Radiation Source based on S-band Compact Electron Linac** – R. Kuroda (AIST)
- MOPEA063 **Development of a Positron Probe Microanalyzer** – N. Oshima, A. Kinomura, T. Ohdaira, R. Suzuki (AIST) M. Fujinami (Chiba University) K. Shoji, A. Uedono, H. Watanabe (University of Tsukuba, Institute of Applied Physics)

- MOPEA064 **Accelerator Mass Spectrometry at the Tsukuba 12 MV Pelletron Tandem Accelerator** – K. Sasa, N. Kinoshita, Y. Nagashima, K. Sueki, T. Takahashi, Y. Tosaki (UTTAC) K. Bessho, H. Matsumura (KEK) Y. Matsushi (University of Tokyo, Research Center for Nuclear Science and Technology)
- MOPEA065 **DPIS for Warm Dense Matter** – K. Kondo (Department of Energy Sciences, Tokyo Institute of Technology) K. Horioka (TIT) M. Okamura (BNL)
- MOPEA066 **Recent Progress of MeV Ultrafast Electron Diffraction at Tsinghua University** – R.K. Li, H. Chen, Q. Du, T. Du, Y.-C. Du, Hua,,J.F. Hua, W.-H. Huang, J. Shi, C.-X. Tang, L.X. Yan (TUB)
- MOPEA067 **PIC Simulation of the Coaxial Magnetron for Low Energy X-band Linear Accelerators** – Jq. Qiu, H. Chen, C.-X. Tang (TUB)
- MOPEA068 **The High Current Solid Target for the RFT-30 30MeV Cyclotron** – M.G. Hur, I.J. Kim, S.W. Kim, J.H. Park, S.D. Yang (KAERI)
- MOPEA069 **Apparatus for Platinum Nano Particle Synthesis by Proton Beam Irradiation** – J.-K. Kil (KAERI)
- MOPEA070 **Uniform Irradiation Method using 2D Motion Stage at theTarget** – K. R. Kim, S.J. Ra (KAERI)
- MOPEA071 **The Solid Target Control System for the RFT-30 30 MeV Cyclotron in KAERI** – I.J. Kim, S.M. Choi, M.G. Hur, S.W. Kim, J.H. Park, S.D. Yang (KAERI)
- MOPEA072 **Matlab Middle Layer Implementation in PLS Storage Ring** – E.H. Lee (PAL)
- MOPEA073 **Development of Uniform Irradiation Device for Vertical Proton Beam using 2D Target Stage** – Y.S. Park, S.J. Cho, J.Y. Han, T.K. Yang (KIRAMS)
- MOPEA074 **Resonant Transition Radiation Induced by Ultra-short Electron Bunch from Aluminum Foil Stacks** – W.C. Cheng (National Chiao Tung University) N.Y. Huang (NTHU) W.K. Lau (NSRRC) J. Tang (Academia Sinica, Research Center for Applied Sciences)
- MOPEA075 **GEANT4 Validation Studies at the ISIS Muon Facility** – A. Bungau, R. Cywinski (University of Huddersfield) C. Bungau (Manchester University) P.J.C. King, J.S. Lord (STFC/RAL)
- MOPEA076 **Geometry Optimization of the ISIS Muon Target** – A. Bungau, R. Cywinski (University of Huddersfield) C. Bungau (Manchester University) P.J.C. King, J.S. Lord (STFC/RAL)
- MOPEA077 **Material Studies for the ISIS Muon Target** – A. Bungau, R. Cywinski (University of Huddersfield) C. Bungau (Manchester University) P.J.C. King, J.S. Lord (STFC/RAL)
- MOPEA078 **Target Optimisation Studies for the European Spallation Source** – A. Bungau, R. Cywinski (University of Huddersfield) C. Bungau (Manchester University)

- MOPEA079 **Impact of the Energy of the Proton Driver on Muon Production** – A. Bungau, R. Cywinski (University of Huddersfield) C. Bungau (Manchester University) P.J.C. King, J.S. Lord (STFC/RAL)
- MOPEA080 **Study of an Electron Beam Polarization in a Storage Ring using Touschek Lifetime Technique** – C. Sun, J.Y. Li, S.F. Mikhailov, V. Popov, W. Wu, Y.K. Wu (FEL/Duke University) A. Chao (SLAC) H. Xu, J. Zhang (USTC/NSRL)
- MOPEA081 **Spatial and Spectral Characteristics of Compton Gamma Beams** – C. Sun, Y.K. Wu (FEL/Duke University)
- MOPEA082 **The ALPHA Project at Indiana University** – S.-Y. Lee, P.E. Sokol (IUCF)
- MOPEA083 **Using High-brightness Particle Beams for Astrophysics Experiments in the Laboratory** – P. Muggli (UCLA) B.A. Allen (USC) J.L. Martins, S.F. Martins (Istituto Superior Tecnico) L.O. Silva (GoLP) V. Yakimenko (BNL)
- MOPEA084 **Femtosecond Relativistic Electron Diffraction** – C.M. Scoby, J.T. Moody, P. Musumeci (UCLA)
- MOPEA085 **The NSLS MeV UED Commissioning Results** – X.J. Wang, Y. Hidaka, C.C. Kao, J.B. Murphy, S. Pjerov, Y. Shen (BNL)

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| 24-May-10 | 16:00 – 18:00 | Poster | Event Hall, Poster Area B |
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| MOPEB — Poster Session |
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- MOPEB001 **Multi-function Corrector Magnet** – L.O. Dallin (CLS)
- MOPEB002 **ASTRID2 Synchrotron Magnets** – N. Hauge, E.B. Christensen, C.W.O. Ostenfeld (Danfysik A/S)
- MOPEB003 **Design and Performance of Printed Circuit Steering Magnets for the FLASH Injector** – K. Floettmann (DESY)
- MOPEB004 **Magnetic Modeling, Measurements and Sorting of the CNAO Synchrotron Dipoles and Quadrupoles** – C. Priano, G. Bazzano, D. Bianculli, E. Bressi, M. Pullia (CNAO Foundation) M.C.L. Buzio, R. Chritin, D. Cornuet, J.M. Dutoir, P. Leclere, L. Vuffray (CERN) I. De Cesaris (EBG MedAustron) E. Froidefond (LPSC) C. Sanelli (INFN/LNF)
- MOPEB005 **Commissioning of the Centro Nazionale di Adroterapia Oncologica (CNAO)** – G. Bazzano (CNAO Foundation)
- MOPEB006 **Design Study of Combined Function Type Magnets for HiSOR-II** – S. Hanada (Hiroshima University, Graduate School of Science) A. Miyamoto, S. Sasaki (HSRC)
- MOPEB007 **Multi-Element Corrector Magnet for the Storage Ring NewSUBARU** – Y. Shoji (NewSUBARU/Spring-8, Laboratory of Advanced Science and Technology for Industry (LASTI))
- MOPEB008 **Magnetic Field Measurement required for High Luminosity Accelerator** – K. Egawa, M. Masuzawa (KEK)
- MOPEB009 **Low Leakage Field Septa for J-PARC Main Ring Injection System Upgrade** – K. Fan, K. Ishii, H. Matsumoto, N. Matsumoto (KEK)
- MOPEB010 **Development of a High Radiation Resistant Septum for JPARC Main Ring Injection System** – K. Fan, K. Ishii, H. Matsumoto (KEK)

- MOPEB011 **Magnetic Field Ripple Reduction of Main Magnets of the J-PARC Main Ring using Trim Coils** – *S. Igarashi, T. Oogoe, H. Someya, S. Yamada (KEK) Y. Kuniyasu (MELCO SC) S. Nakamura (J-PARC, KEK & JAEA)*
- MOPEB012 **An Experience of Using the Ceramic Coated Coil for the Low Field Septum Magnets at the J-PARC Fast Extraction** – *K. Ishii, K. Fan, H. Matsumoto, S. Tokumoto (KEK)*
- MOPEB013 **LEBT with Hybrid Magnets in a Proton Linac for Compact Neutron Source** – *S. Ushijima, H. Fujisawa, M. Ichikawa, Y. Iwashita, H. Tongu, M. Yamada (Kyoto ICR)*
- MOPEB014 **Status of PLS-II Magnet system** – *D.E. Kim, H.S. Han, Y.-G. Jung, K.R. Kim, H.-G. Lee, S.H. Nam, K.-H. Park, H.S. Suh (PAL)*
- MOPEB015 **Magnet Design for the Medium and High Energy Beam Transport Lines of the IFMIF-EVEDA Accelerator** – *C. Oliver, B. Brañas, A. Ibarra, I. Podadera Aliseda, I. Rodriguez, F. Toral (CIEMAT) A. Mosnier (CEA)*
- MOPEB016 **Development of Upgraded Magnetic Instrumentation for CERN's Real-time Reference Field Measurement Systems** – *M.C.L. Buzio, P. Galbraith, S.S. Gilardoni, L. Walckiers (CERN)*
- MOPEB017 **Magnetic Performance of Permanent and Fast-pulsed Quadrupoles for the CERN's Linac 4 Project** – *M.C.L. Buzio, A.M. Lombardi, S. Ramberger, L. Walckiers (CERN)*
- MOPEB018 **Measurement and Active Compensation of Sextupolar Field Errors in LHC Cryodipoles** – *M.C.L. Buzio, J. Garcia Perez, L. Walckiers (CERN)*
- MOPEB019 **Model Magnets for the CLIC Project** – *M. Modena, D. Tommasini (CERN) A.S. Vorozhtsov (JINR)*
- MOPEB020 **Measurement of Accelerator Lattice Magnet Prototypes for TPS Storage Ring** – *F.-Y. Lin, C.-H. Chang, H.-H. Chen, J.C. Huang, M.-H. Huang, C.-S. Hwang, J.C. Jan, C.Y. Kuo, C.-S. Yang (NSRRC)*
- MOPEB021 **Field Shimming of the Superconducting Undulator by using the Cryogenic Hall Probe** – *J.C. Jan, C.-H. Chang, C.-S. Hwang, F.-Y. Lin (NSRRC)*
- MOPEB022 **Magnet Field Crosstalk Effect of TPS Storage Ring Magnets** – *C.Y. Kuo, C.-H. Chang, C.-S. Hwang (NSRRC)*
- MOPEB023 **Magnetic Field Mapping and Integral Transfer Function Matching of the Prototype Dipoles for the NSLS-II at BNL** – *P. He, M. Anerella, G. Ganetis, R.C. Gupta, A.K. Jain, P. Joshi, M. Rehak, J. Skaritka, P. Wanderer (BNL)*
- MOPEB024 **A Homogeneous Superconducting Combined Multipole Magnet for the Large Acceptance Spectrometer S3, based on Flat Racetrack Coils** – *O. Delferriere, A. Drouart, C. Mayri, J. Payet, J.-M. Rifflet (CEA)*
- MOPEB025 **SIS100 Fast Ramped Magnets and their Cryopump Functionality for the Operation with High Intensity Intermediate Charge State Heavy Ions** – *E.S. Fischer, A. Mierau, P. Schnizer, St. Wilfert (GSI) W. Gaertner, G. Sikler (BNG)*

- MOPEB026 **Magnet Design of the ENC Interaction Region** – *P. Schnizer, E.S. Fischer (GSI) P.G. Akishin (JINR) K. Aulenbacher, A. Jankowiak, U. Ludwig-Mertin (IKP) C. Montag (BNL)*
- MOPEB027 **3D Static and Dynamic Field Quality Calculations for Superconducting SIS100 Corrector Magnets** – *K. Sugita, E.S. Fischer, P. Schnizer (GSI) P.G. Akishin (JINR) A. Mierau (TEMF, TU Darmstadt)*
- MOPEB028 **Large-Scale Computation of Transient Electromagnetic Fields Regarding the Field Quality in the Aperture of the SIS100 Dipole Magnet** – *S. Koch, T. Weiland (TEMF, TU Darmstadt)*
- MOPEB029 **Theoretical and Experimental Analysis of Molecular Gas Conduction Heat Load in K-500 Superconducting Cyclotron** – *P. Bhattacharyya (DAE/VECC)*
- MOPEB030 **Cryostat Support System Analysis during Cool-down for the Superconducting Cyclotron and its Verification** – *S. Saha, M. Ahammed, R.K. Bhandari, P. Bhattacharyya, J. Chaudhuri, A. Dutta Gupta, B.C. Mandal, B. Manna (DAE/VECC)*
- MOPEB031 **Design of Wide Aperture Quadrupole Magnets for FAIR Energy Buncher** – *P.R. Sarma, R.K. Bhandari, S. Bhattacharya, T. Bhattacharyya, C.N. Nandi, G.P. Pal, S. Roy (DAE/VECC)*
- MOPEB032 **Design of Super-ferric Dipole Magnet with Self-Correction Coils** – *K. Ruwali (RRCAT) K. Hosoyama (KEK)*
- MOPEB033 **Operation of Superconducting Combined Function Magnet System for J-PARC Neutrino Beam Line** – *T. Ogitsu, Y. Fujii, N. Hastings, M. Iida, N. Kimura, Y. Makida, T. Nakadaira, H. Ohhata, T. Okamura, K. Sakashita, K. Sasaki, S. Suzuki (KEK) H. Kakuno (University of Tokyo)*
- MOPEB034 **Progress of Design Study of Interaction Region Quadrupoles for the SuperKEKB** – *M. Tawada, Y. Funakoshi, H. Koiso, A. Morita, Y. Ohnishi, N. Ohuchi, K. Oide, K. Tsuchiya, Z.G. Zong (KEK)*
- MOPEB035 **Present Status of the RCNP Cyclotron Facility** – *K. Hatanaka, M. Fukuda, M. Kibayashi, S. Morinobu, K. Nagayama, H. Okamura, T. Saito, H. Tamura, T. Yorita (RCNP)*
- MOPEB036 **A HTS Scanning Magnet and AC Operation** – *K. Hatanaka, M. Fukuda, J. Nakagawa, T. Saito, T. Yorita (RCNP) T. Kawaguchi (KT Science Ltd.) K. Noda (NIRS) Y. Sakemi (CYRIC)*
- MOPEB037 **Development of Current Leads for the Superconducting Correctors in the SuperKEKB-IR** – *Z.G. Zong, N. Higashi, N. Ohuchi, M. Tawada, K. Tsuchiya (KEK)*
- MOPEB038 **Design and Manufacture of Superconducting Magnet for the Wiggler in SAGA-LS** – *T. Semba, T. Yamamoto (Hitachi Ltd.) M. Abe (Hitachi, Ltd., Power & Industrial Systems R&D Laboratory) Y. Iwasaki, T. Kaneyasu, S. Koda, Y. Takabayashi (SAGA)*

- MOPEB039 **Progress on Design and Construction of MICE Coupling Solenoid Magnets** – *L. Wang, X.L. Guo, H. Pan, H. Wu, S.X. Zheng (ICST) A.J. DeMello, M.A. Green, D. Li, S.P. Virostek, M.S. Zisman (LBNL) S.Y. Li (HUST)*
- MOPEB040 **Superconducting Magnets for the NICA Facility at JINR: Status of the Design and Construction Plans** – *A.D. Kovalenko, N.N. Agapov, V.D. Kekelidze, H.G. Khodzhibagiyan, I.N. Meshkov, Yu.K. Potrebennikov, A.N. Sissakian, A. Sorin, G.V. Trubnikov (JINR)*
- MOPEB041 **Calculation and Design of the Magnet Package in the Superconducting SRF Linac of IFMIF** – *S. Sanz, B. Brañas, L. García-Tabarés, I. Podadera Aliseda, F. Toral (CIEMAT) P. Bosland, P. Bredy, G. Disset, N. Grouas, P. Hardy, V.M. Hennion, H. Jenhani, J. Migne, A. Mohamed, F. Orsini, J. Plouin, J. Relland (CEA) E.N. Zaplatin (FZJ)*
- MOPEB042 **Towards a Consolidation of LHC Superconducting Splices for 7 TeV Operation** – *FF Bertinelli, N. Catalan-Lasheras, P. Fessia, C. Garion, S.J. Mathot, A. Perin, C.E. Scheuerlein, S. Sgobba, H.H.J. Ten Kate, J.Ph. G. L. Tock, A.P. Verweij (CERN)*
- MOPEB043 **New Techniques for Mechanical Measurements in the Superconducting Magnet Models** – *M. Guinchard, K. Artoos, A.H.J. Gerardin, A.M. Kuzmin (CERN)*
- MOPEB044 **High-current Bus Splice Resistances and Implications for the Operating Energy of the LHC** – *M. Koratzinos, FF Bertinelli, Z. Charifoulline, K. Dahlerup-Petersen, R. Denz, C.E. Scheuerlein, R. Schmidt, A.P. Siemko, A.P. Verweij (CERN) R.H. Flora, H. Pfeffer, J. Strait (Fermilab)*
- MOPEB045 **Commissioning of the LHC Magnet Powering System in 2009** – *M. Solfaroli Camillocci, G. Arduini, B. Belle-sia, J. Coupard, M. Koratzinos, M. Pojer, R. Schmidt, H. Thiesen, A. Vergara-Fernández, M. Zanetti, M. Zerlauth (CERN)*
- MOPEB046 **First Operational Experience with the LHC Superconducting Magnet Circuits after the Incident, Consolidations and Second Commissioning Campaign** – *A.P. Siemko, N. Catalan-Lasheras, L. Rossi, R. Schmidt (CERN)*
- MOPEB047 **Method for Choosing the Optimum Current for Superconducting Magnets** – *T.M. Taylor (CERN)*
- MOPEB048 **Helical Combined Function Magnets for the Proton Ring of PAMELA** – *H. Witte, K.J. Peach (JAI) N. Bliss, T.J. Jones, J. Strachan (STFC/DL) S.M. Patalwar (STFC/DL/ASTeC)*
- MOPEB049 **Helical Combined Function Magnets for the Carbon Ring of PAMELA** – *H. Witte (OXFORDphysics) N. Bliss, T.J. Jones, J. Strachan (STFC/DL) S.M. Patalwar (STFC/DL/ASTeC) K.J. Peach (JAI)*
- MOPEB050 **Superconducting Magnets for SCRF Cryomodules at Front End of Linear Accelerators** – *V.S. Kashikhin, N. Andreev, Y. Orlov, D.F. Orris, M.A. Tartaglia (Fermilab)*

- MOPEB051 **Design of Helical Solenoid Combined with RF Cavity** – V.S. Kashikhin, N. Andreev, V. Kashikhin, M.J. Lamm, A.V. Makarov, G.V. Romanov, K. Yonehara, M. Yu, A.V. Zlobin (Fermilab)
- MOPEB052 **120-mm Superconducting Quadrupole for Interaction Regions of Hadron Colliders** – A.V. Zlobin, V. Kashikhin, N.V. Mokhov, I. Novitski (Fermilab)
- MOPEB053 **Magnet Designs for Muon Collider Ring and Interaction Regions** – A.V. Zlobin, V.Yu. Alexakhin, V. Kashikhin, N.V. Mokhov (Fermilab)
- MOPEB054 **Modeling the High-Field Section of a Muon Helical Cooling Channel** – A.V. Zlobin, E.Z. Barzi, V.S. Kashikhin, M.J. Lamm, V. Lombardo, M.L. Lopes, M. Yu (Fermilab) R.P. Johnson, S.A. Kahn, M. Turenne (Muons, Inc)
- MOPEB055 **YBCO Conductor Technology for High Field Muon Cooling Magnets** – S.A. Kahn, G. Flanagan, R.P. Johnson, M. Turenne (Muons, Inc) F. Hunte, J. Schwartz (North Carolina State University)
- MOPEB056 **Multi-purpose Fiber Optic Sensors for Superconducting Magnets** – M. Turenne, R.P. Johnson (Muons, Inc) F. Hunte, J. Schwartz (North Carolina State University)
- MOPEB057 **YBCO Roebel Cable for High-field Low-loss Accelerator Magnets** – M. Turenne, G. Flanagan, R.P. Johnson (Muons, Inc) F. Hunte, J. Schwartz (North Carolina State University)
- MOPEB058 **Characterization of YBCO Coated Conductors for High Field Magnets** – M. Turenne, G. Flanagan, R.P. Johnson (Muons, Inc) J. Schwartz (North Carolina State University)
- MOPEB059 **Assembly and Test of a 120 mm Bore 15 T Nb₃Sn Quadrupole for the LHC Upgrade** – S. Caspi, D.W. Cheng, D.R. Dietderich, H. Felice, P. Ferracin, R.R. Hafalia, R. Hannaford, G.L. Sabbi (LBNL) G. Ambrosio, R. Bossert, V. Kashikhin, A.V. Zlobin (Fermilab) M. Anerella, A.K. Ghosh, J. Schmalzle, P. Wanderer (BNL)
- MOPEB060 **Lessons Learned for the MICE Coupling Solenoid from the MICE Spectrometer Solenoid** – M.A. Green, A.J. DeMello, D. Li, F. Trillaud, S.P. Virostek, M.S. Zisman (LBNL) X.L. Guo, H. Pan, L. Wang, H. Wu, S.X. Zheng (ICST)
- MOPEB061 **Fabrication, Testing and Modeling of the MICE Superconducting Spectrometer Solenoids** – S.P. Virostek, M.A. Green, F. Trillaud, M.S. Zisman (LBNL)
- MOPEB062 **Design and Testing of Cryogenic Systems Dedicated to Neutron Sources** – S. Crispel, M. Bonneton (Air Liquide, Division Techniques Avancées) M.F.D. Simon (F4E) R. Thiering (ANSTO)
- MOPEB063 **Neutron Source at the DAΦNE Beam Test Facility** – G. Mazzitelli, R. Bedogni, B. Buonomo, M. De Giorgi, A. Esposito, L. Quintieri (INFN/LNF)

- MOPEB064 **Study for FFAG-ERIT Neutron Source** – K. Okabe (*University of Fukui, Faculty of Engineering*) Y. Ishi, Y. Mori, T. Uesugi (*KURRI*)
- MOPEB065 **MICE Liquid Hydrogen Absorber** – S. Ishimoto, S. Suzuki (*KEK*) Y. Kuno, M.Y. Yoshida (*Osaka University*) W. Lau (*OXFORDphysics*)
- MOPEB066 **Beam Commissioning of Spallation Neutron and Muon Source in J-PARC** – S.I. Meigo, M. Futakawa, M. Ohi, S. Shinichi (*JAEA/J-PARC*) H. Fujimori (*KEK/JAEA*)
- MOPEB067 **The Novel Method of Focusing-SANS with Rotating Magnetic Sextupole Lens and Very Cold Neutrons** – M. Yamada, M. Ichikawa, Y. Iwashita, T. Kanaya, H. Tongu (*Kyoto ICR*) K.H. Andersen, P.W. Geltenbort, B. Guerard, G. Manzin (*ILL*) M. Bleuel (*RID*) J.M. Carpenter, L. Jyotsana (*ANL*) M. Hino, M. Kitaguchi (*KURRI*) K. Hirota (*RIKEN*) S.J. Kennedy (*ANSTO*) K. Mishima, H.M. Shimizu, N.L. Yamada (*KEK*)
- MOPEB068 **Nuclear Data Measurements with a Pulsed Neutron Facility based on an Electron Linac** – G.N. Kim (*Kyungpook National University*) W. Namkung (*POSTECH*)
- MOPEB069 **CERN nTOF an Intense White Neutron Time-of-flight Facility for High-resolution Neutron Data Measurements** – V. Vlachoudis (*CERN*)
- MOPEB070 **Application of Cubes in Different Fields of Science** – I.D. Valova (*ICSR*)
- MOPEB071 **Low Voltage Very High Current SCR Controlled Magnet Power Supply** – P.A.E. Elkiaer, A. Jensen, C. Nielsen, C. Sorensen (*Danfysik A/S*)
- MOPEB072 **Results of RRR Measurements along the Production Chain of Nb RRR Sheets, starting from the Ingot to the finished Cavity.** – S. Grawunder, F. Schoelz (*W.C. Heraeus GmbH COPY, Materials Technology Dept.*) R. Grill (*Plansee Metall GmbH*) W. Singer, X. Singer (*DESY*) B. Spaniol (*W.C. Heraeus GmbH, Materials Technology Dept.*)
- MOPEB073 **Single Crystal Niobium Development** – H. Umezawa, K. Takeuchi (*Tokyo Denkai Co., Ltd.*) F. Furuta, T. Konomi, K. Saito (*KEK*) K. Nishimura (*TKX Corporation*)
- MOPEB074 **Calculation and Design of a High Voltage Electron Accelerator** – J. Yang, T. Hu (*HUST*)
- MOPEB075 **Successfully Managing the Experimental Area of a Large Physics Experiment, from Civil Engineering to the First Beams** – F. Butin (*CERN*)
- MOPEB076 **A Mobile X-Ray Computed Tomography System for the Inspection of the Interconnection Regions of the LHC** – L.R. Williams, F. Caspers, J.M. Dalin, J.Ph. G. L. Tock (*CERN*) V. Haemmerle, C. Sauerwein, I. Tiseanu (*RAYSCAN*)

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| 24-May-10 | 16:00 – 18:00 | Poster | Event Hall, Poster Area C |
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| MOPEC — Poster Session |
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- MOPEC001 **Numerical Analysis of Machine Background in the LHCb Experiment for the Early and Nominal Operation of LHC** – M.H. Lieng (UNIDO) R. Appleby, H. Burkhardt, G. Corti, Y.I. Levinsen (CERN) V. Talanov (IHEP Protvino)
- MOPEC002 **Dynamic Aperture Studies and Field Quality Considerations for the LHC Upgrade Optics** – B.J. Holzer, S.D. Fartoukh, F. Schmidt (CERN)
- MOPEC003 **Operational Experience during Initial Beam Commissioning of the LHC** – K. Fuchsberger, R. Alemany-Fernandez, G. Arduini, R.W. Assmann, R. Bailey, O.S. Brüning, B. Goddard, V. Kain, M. Lamont, A. Macpherson, M. Meddahi, G. Papotti, M. Pojer, L. Ponce, S. Redaelli, M. Solfaroli Camillocci, W. Venturini Delsolaro, J. Wenninger (CERN)
- MOPEC004 **Stability and Reproducibility of the LHC** – K. Fuchsberger, R. Alemany-Fernandez, G. Arduini, R.W. Assmann, R. Bailey, O.S. Brüning, V. Kain, M. Lamont, A. Macpherson, G. Papotti, M. Pojer, L. Ponce, S. Redaelli, M. Solfaroli Camillocci, W. Venturini Delsolaro, J. Wenninger (CERN)
- MOPEC005 **Kick Response Measurements during LHC Injection Tests and Early LHC Beam Commissioning** – K. Fuchsberger, S.D. Fartoukh, B. Goddard, V. Kain, M. Meddahi, F. Schmidt, J. Wenninger (CERN)
- MOPEC006 **JMAD - Integration of MADX into the JAVA World** – K. Fuchsberger, W. Herr, V. Kain, G.J. Mueller, S. Redaelli, F. Schmidt, J. Wenninger (CERN)
- MOPEC007 **Operational Experience during the LHC Injection Tests** – K. Fuchsberger, R. Alemany-Fernandez, G. Arduini, R.W. Assmann, R. Bailey, O.S. Brüning, B. Goddard, V. Kain, M. Lamont, A. Macpherson, M. Meddahi, G. Papotti, M. Pojer, L. Ponce, S. Redaelli, M. Solfaroli Camillocci, W. Venturini Delsolaro, J. Wenninger (CERN)
- MOPEC008 **Characterization of Interaction-point Beam Parameters using the pp Event-Vertex Distribution Reconstructed in the ATLAS Detector at the LHC** – R. Bartoldus, I. Aracena, P. Grenier, D.W. Miller, E. Strauss, D. Su (SLAC) J. Beringer, P. Loscutoff (LBNL) H. Burkhardt, W. Kozanecki, S.M. White (CERN) J. Walder (Lancaster University)
- MOPEC009 **LHC Abort Gap Cleaning** – M. Meddahi, S. Bart Pedersen, A. Boccardi, A.C. Butterworth, B. Goddard, G.H. Hemelsoet, W. Höfle, D. Jacquet, M. Jaussi, V. Kain, T. Lefevre, E.N. Shaposhnikova, D. Valuch (CERN) A.S. Fisher (SLAC) E. Gianfelice-Wendt (Fermilab)
- MOPEC010 **LHC Aperture Measurements** – S. Redaelli, M.C. Alabau Pons, M. Giovannozzi, G.J. Mueller, F. Schmidt, R. Tomas, J. Wenninger (CERN)
- MOPEC011 **The Online Model for the Large Hadron Collider** – S. Redaelli, M.C. Alabau Pons, K. Fuchsberger, M. Giovannozzi, W. Herr, M. Lamont, G.J. Mueller, F. Schmidt, M. Strzelczyk, R. Tomas, G. Vanbavinckhove (CERN)

- MOPEC012 **Impedance of the Crab Cavity Dipole Mode and Impact on the LHC Machine Protection** – *Y. Sun, F. Zimmermann (CERN)*
- MOPEC013 **Vernier Scan Results from the First RHIC Proton Run at 250 GeV** – *K.A. Drees (BNL) S.M. White (CERN)*
- MOPEC014 **First Luminosity Scans in the LHC** – *S.M. White, R. Alemany-Fernandez, H. Burkhardt, M. Lamont (CERN)*
- MOPEC015 **Single-pass Beam Measurements for the Verification of the LHC Magnetic Model** – *F. Zimmermann, M. Giovannozzi, S. Redaelli, Y. Sun, R. Tomas, W. Venturini Delsolaro (CERN) R. Calaga (BNL)*
- MOPEC016 **Interaction of Macro-Particles with the LHC Proton Beam** – *F. Zimmermann, M. Giovannozzi (CERN) A. Xagkoni (National Technical University of Athens)*
- MOPEC017 **Amplitude and Tune Diffusion Near Synchro-betatron Resonances** – *T. Sen (Fermilab)*
- MOPEC018 **Measurement of the Radiation Background from RHIC for the Proposed STAR Silicon Vertex Detector** – *H.S. Matis, E. Anderssen, J. Thomas, H.H. Wieman, G. van Hieuwenhuizen (LBNL)*
- MOPEC019 **Tune Dependency of Beam-beam Emittance Growth with a Static Offset in Collision in the LHC** – *T. Pieloni (PSI) W. Herr (CERN) J. Qiang (LBNL)*
- MOPEC020 **Simulation of the LHC BRAN Luminosity Monitor for High Luminosity Interaction Regions** – *J. Stiller (Heidelberg University) H.S. Matis, A. Ratti, W.C. Turner (LBNL) R. Miyamoto (BNL)*
- MOPEC021 **First Results from the LHC Luminosity Monitor** – *A. Ratti, H.S. Matis, W.C. Turner (LBNL) E. Bravin (CERN) R. Miyamoto (BNL)*
- MOPEC022 **Compact 400-MHz Half-wave Spoke Resonator Crab Cavity for the LHC Upgrade** – *Z. Li, T.W. Markiewicz, C.-K. Ng, L. Xiao (SLAC)*
- MOPEC023 **RHIC Performance during the FY10 200 GeV Au+Au Heavy Ion Run** – *K.A. Brown, L. Ahrens, J.G. Alessi, M. Bai, J. Beebe-Wang, M. Blaskiewicz, J.M. Brennan, D. Bruno, R. Connolly, T. D'Ottavio, K.A. Drees, W. Fischer, W. Fu, C.J. Gardner, D.M. Gassner, J.W. Glenn, M. Harvey, T. Hayes, L.T. Hoff, H. Huang, J.S. Laster, R.C. Lee, V. Litvinenko, Y. Luo, W.W. MacKay, M. Mapes, G.J. Marr, A. Marusic, R.J. Michnoff, M.G. Minty, C. Montag, J. Morris, S. Nemesure, B. Oerter, F.C. Pilat, V. Ptit-syn, G. Robert-Demolaize, T. Roser, T. Russo, P. Sampson, J. Sandberg, T. Satogata, V. Schoefer, C. Schultheiss, F. Severino, K. Smith, D. Steski, S. Tepikian, C. Theisen, P. Thieberger, D. Trbojevic, N. Tsoupas, J.E. Tuozzolo, M. Wilinski, A. Zaltsman, K. Zeno, S.Y. Zhang, R. de Maria (BNL)*
- MOPEC024 **RHIC BBLR Measurements, 2009** – *R. Calaga, W. Fischer, G. Robert-Demolaize (BNL)*

- MOPEC025 **Constraints, Beam Dynamics and Machine Protection Issues for LHC Crab Crossing** – R. Calaga, R. de Maria (BNL) M. Giovannozzi, E. Métral, Y. Sun, R. Tomas, J. Tuckmantel, J. Wenninger, F. Zimmermann (CERN)
- MOPEC026 **Status of the RHIC Head-on Beam-beam Compensation Project** – W. Fischer, E.N. Beebe, D. Bruno, A.V. Fedotov, D.M. Gassner, J. Hock, A.K. Jain, R.F. Lambiase, Y. Luo, M. Mapes, W. Meng, C. Montag, B. Oerter, M. Okamura, A.I. Pikin, D. Raparia, G. Robert-Demolaize, R. Than, J.E. Tuozzolo, R. de Maria (BNL)
- MOPEC027 **Development and Evaluation of IBS Suppression Lattices at RHIC** – V. Litvinenko, M. Bai, K.A. Brown, D. Bruno, P. Cameron, R. Connolly, J. Cupolo, A.J. Della Penna, K.A. Drees, A.V. Fedotov, G. Ganetis, Y. Luo, N. Malitsky, A. Marusic, M.G. Minty, C. Montag, F.C. Pilat, V. Ptitsyn, T. Roser, T. Satogata, S. Tepikian, D. Trbojevic, N. Tsoupas (BNL)
- MOPEC028 **Recent Triplet Vibration Studies in RHIC** – M.G. Minty, R.J. Michnoff, C. Montag, V. Ptitsyn, T. Satogata, C. Schultheiss, P. Thieberger (BNL)
- MOPEC029 **Global Orbit Feedback in RHIC** – M.G. Minty, A. Marusic, R.J. Michnoff, V. Ptitsyn, G. Robert-Demolaize, T. Satogata (BNL)
- MOPEC030 **High Precision Tune and Coupling Measurements and Tune/Coupling Feedback in RHIC** – M.G. Minty, A.J. Curcio, W.C. Dawson, C. Degen, Y. Luo, G.J. Marr, B. Martin, A. Marusic, K. Mernick, P. Oddo, T. Russo, V. Schoefer, R. Schroeder, C. Schultheiss, M. Wilinski (BNL)
- MOPEC031 **Chromaticity Feedback at RHIC** – M.G. Minty, A. Marusic, C. Schultheiss, S. Tepikian (BNL)
- MOPEC032 **Effect of 10 Hz Triplet Vibrations on RHIC Performance** – M.G. Minty (BNL)
- MOPEC033 **RHIC Performance as a 100 GeV Polarized Proton Collider in Run-9** – C. Montag, L. Ahrens, M. Bai, J. Beebe-Wang, M. Blaskiewicz, J.M. Brennan, K.A. Brown, D. Bruno, R. Connolly, T. D'Ottavio, K.A. Drees, A.V. Fedotov, W. Fischer, G. Ganetis, C.J. Gardner, J.W. Glenn, H. Hahn, M. Harvey, T. Hayes, H. Huang, P.F. Ingrasia, J.P. Jamilkowski, A. Kayran, J. Kewisch, R.C. Lee, D.I. Lowenstein, A.U. Luccio, Y. Luo, W.W. MacKay, Y. Makdisi, N. Malitsky, G.J. Marr, A. Marusic, M.P. Menga, R.J. Michnoff, M.G. Minty, J. Morris, B. Oerter, F.C. Pilat, P.H. Pile, E. Pozdeyev, V. Ptitsyn, G. Robert-Demolaize, T. Roser, T. Russo, T. Satogata, V. Schoefer, C. Schultheiss, F. Severino, M. Sivertz, K. Smith, S. Tepikian, P. Thieberger, D. Trbojevic, N. Tsoupas, J.E. Tuozzolo, A. Zaltsman, A. Zelenski, K. Zeno, S.Y. Zhang (BNL)
- MOPEC034 **Experience with Split Transition Lattices at RHIC** – C. Montag, M. Blaskiewicz, J.M. Brennan, S. Tepikian (BNL)

- MOPEC035 **Optimizing the Beam-beam Alignment in an Electron Lens using Bremsstrahlung** – C. Montag, W. Fischer, D.M. Gassner (BNL) E. Haug (University of Tuebingen)
- MOPEC036 **Operational Non-linear Corrections in the RHIC Low β^* Interaction Regions** – F.C. Pilat, S. Binello, M.G. Minty, C.M. Zimmer (BNL)
- MOPEC037 **High Beta Operation Scenarios for Crab Cavities in the Insertion Region 4 of the CERN Large Hadron Collider** – R. de Maria, R. Calaga (BNL) M. Giovannozzi, Y. Sun, R. Tomas, F. Zimmermann (CERN)
- MOPEC038 **Commissioning of FFAG Accelerator at Kyushu University** – T. Fujinaka (Kyushu University, Center for Accelerator and Beam Applied Science) Y. Yonemura (Kyushu University, Department of Applied Quantum Physics and Nuclear Engineering)
- MOPEC039 **Developments for Beam Intensity Increase and Beam Quality Improvement in the RCNP Cyclotrons** – M. Fukuda, K. Hatanaka, H. Kawamata, M. Kibayashi, T. Saito, H. Tamura, T. Yorita (RCNP)
- MOPEC040 **Magnet Shaping with an Improved Matrix Method for a 10 MeV Compact Cyclotron** – B. Qin, Z. Chen, D. Li, K.F. Liu, Y.Q. Xiong, J. Yang, L. Zhao (HUST)
- MOPEC041 **Calculation of Second Order Moments for an Ion Beam in a Degradar** – N.Yu. Kazarinov, V.I. Kazacha (JINR)
- MOPEC042 **Synchrocyclotron Design for a Dual Cyclinac Hadron-therapy Center** – A. Garonna (EPFL) U. Amaldi, A. Garonna (TERA)
- MOPEC043 **Error Study of a Novel Non-linear, Nonscaling FFAG** – D.J. Kelliher, S. Machida (STFC/RAL/ASTeC) S.L. Sheehy (JAI)
- MOPEC044 **FFAG Lattice with Superperiod Structure** – S. Machida (STFC/RAL/ASTeC)
- MOPEC045 **A Novel HNJ Scheme for PAMELA** – J.K. Pozimski, M. Aslaninejad, J. Pasternak (Imperial College of Science and Technology, Department of Physics) K.J. Peach, T. Yokoi (JAI)
- MOPEC046 **Modelling of the EMMA ns-FFAG Injection Line using GPT** – R.T.P. D'Arcy (UCL) D.J. Holder, B.D. Muratori (Cockcroft Institute)
- MOPEC047 **High Current Proton FFAG Accelerators** – R.J. Barlow, S.C. Tygier (UMAN)
- MOPEC048 **Beam Extraction of PAMELA NS-FFAG** – T. Yokoi, K.J. Peach, H. Witte (JAI)
- MOPEC049 **CW (Isochronous) High Intensity FFAG Proton Drivers for HEP and ADS** – C. Johnstone (Fermilab) M. Berz, K. Makino (MSU) S.R. Koscielniak (TRIUMF) P. Snopok (UCR)
- MOPEC050 **Injection and Extraction System for the KEK Digital Accelerator** – T. Adachi, T. Kawakubo (KEK) T. Yoshii (Nagaoka University of Technology)

- MOPEC051 **Induction Acceleration System for KEK Digital Accelerator** – T. Iwashita, T. Adachi, T. Arai, Y. Arakida, M. Hasimoto, H. Someya, K. Takayama, M. Wake (KEK) T.S. Dixit (SAMEER) K. Mochiki, T. Sano (Tokyo City University)
- MOPEC052 **KEK Digital Accelerator for Material and Biological Sciences** – K. Takayama, T. Adachi, T. Arai, Y. Arakida, M. Hasimoto, T. Iwashita, E. Kadokura, M. Kawai, T. Kawakubo, K. Koyama, T. Kubo, T. Kubo, H. Nakanishi, K. Okamura, H. Someya, A. Takagi, M. Wake (KEK) T. Kikuchi, T. Yoshii (Nagaoka University of Technology) K.W. Leo (Sokendai) K. Mochiki, T. Sano (Tokyo City University) M. Okamura (RBRC) K. Okazaki (Nippon Advanced Technology Co. Ltd.) H. Tanaka (Iwate university)
- MOPEC053 **Ion Source and Low Energy Beam Transport for the KEK Digital Accelerator** – K. Takayama, T. Adachi, T. Arai, Y. Arakida, M. Hasimoto, T. Kawakubo, K. Koyama, T. Kubo, T. Kubo, H. Nakanishi, A. Takagi, K. Zhang (KEK) T. Kikuchi (Nagaoka University of Technology) K.W. Leo (Sokendai) K. Okazaki (Nippon Advanced Technology Co. Ltd.)
- MOPEC054 **Mechanical and Cryogenic System Design of the 1st Cryomodule for the IFMIF Project** – N. Grouas, P. Bosland, P. Bredy, G. Disset, P. Hardy, V.M. Hennion, H. Jenhani, J. Migne, A. Mohamed, F. Orsini, J. Plouin, J. Relland (CEA) B. Branás Lasala, I. Podadera Aliseda, S. Sanz, F. Toral (CIEMAT) E.N. Zaplatin (FZJ)
- MOPEC055 **Status of the CW RF Power Couplers for the SRF Linac of the IFMIF Project** – H. Jenhani, P. Bosland, P. Bredy, M. Desmons, G. Devanz, G. Disset, N. Grouas, P. Hardy, V.M. Hennion, J. Migne, A. Mohamed, F. Orsini, J. Plouin, J. Relland (CEA) B. Branás Lasala, I. Podadera Aliseda, S. Sanz, F. Toral (CIEMAT) F.M. Mirapeix (TTI) E.N. Zaplatin (FZJ)
- MOPEC056 **The Accelerator Prototype of the IFMIF/EVEDA Project** – A. Mosnier, P.-Y. Beauvais, R. Gobin, J.-F. Gournay, P. Joyer, J. Marroncle, P.A.P. Nghiem, F. Orsini (CEA) B. Brañas, A. Ibarra, P. Méndez, I. Podadera Aliseda, J. Sanz, F. Toral (CIEMAT) M. Comunian, A. Facco, A. Palmieri, A. Pepato, A. Pisent (INFN/LNL) P. Garin, Ch. Vermare (IFMIF/EVEDA) R. Heidinger (Fusion for Energy) H. Kimura, T. Kojima, T. Kubo, S. Maebara, S. O'hira, Y. Okumura, K. Shinto, H. Takahashi, K. Yonemoto (JAEA)
- MOPEC057 **Study and Realization of the First Superconducting Half Wave Resonator Prototype for the SRF Linac of the IFMIF Project** – F. Orsini, P. Bosland, P. Bredy, G. Disset, N. Grouas, P. Hardy, V.M. Hennion, H. Jenhani, J. Migne, A. Mohamed, J. Plouin, J. Relland (CEA) B. Branás Lasala, I. Podadera Aliseda, S. Sanz, F. Toral (CIEMAT) E.N. Zaplatin (FZJ)
- MOPEC058 **StrahlSim, A Computer Code to Simulate the Dynamic Vacuum in Heavy Ion Accelerators** – P. Puppel (IAP) L.H.J. Bozyk (TU Darmstadt) P.J. Spiller (GSI)

- MOPEC059 **The Frankfurt Neutron Source FRANZ** – *U. Ratzinger, L.P. Chau, M. Heilmann, O. Meusel, D. Mäder, Y.C. Nie, D. Noll, H. Podlech, S. Schmidt, C. Wiesner (IAP) M. Heil (GSI) R. Reifarh (IKF)*
- MOPEC060 **Engineering Design and First Prototype Tests of the IFMIF-EVEDA RFQ** – *A. Pepato, R. Dima, F. Scantamburlo (INFN- Sez. di Padova) M. Comunian, F. Grespan, A. Palmieri, A. Pisent, C. Roncolato (INFN/LNL) D. Dattola, P. Mereu (INFN-Torino)*
- MOPEC061 **The IFMIF RFQ Real-scale Aluminum Model: RF Measurements and Tuning** – *A. Palmieri, F. Grespan (INFN/LNL)*
- MOPEC062 **Perturbation Analysis on a Four-vane RFQ** – *A. Palmieri, A. Pisent (INFN/LNL)*
- MOPEC063 **Wideband Low-output Impedance RF System for the ISIS Second Harmonic Cavity** – *Y. Irie, S. Fukumoto, K. Muto, H. Nakanishi, A. Takagi (KEK) D. Bayley, I.S.K. Gardner, R.J. Mathieson, A. Seville, J.W.G. Thomason (STFC/RAL/ISIS) J.C. Dooling, D. Horan, R. Kustom, M.E. Middendorf (ANL) T. Oki (Tsukuba University)*
- MOPEC064 **Construction of J-PARC Accelerator Complex** – *M. Yoshioka, H. Kobayashi (KEK)*
- MOPEC065 **Recent Status and Future Plan of J-PARC MA Loaded RF Systems** – *M. Yoshii, K. Hara, C. Ohmori, T. Shimada, H. Suzuki, M. Tada (KEK/JAEA) E. Ezura, K. Hasegawa, A. Takagi, K. Takata (KEK) M. Nomura, A. Schnase, F. Tamura, M. Yamamoto (JAEA/J-PARC)*
- MOPEC066 **Status of Mass Production of the ACS Cavity for the J-PARC Linac Energy Upgrade** – *H. Ao, K. Hirano, T. Morishita (JAEA/LINAC) H. Asano, N. Ouchi, N. Tsubota (JAEA/J-PARC) K. Hasegawa (JAEA) F. Naito, K. Takata (KEK) V.V. Paramonov (RAS/INR) Y. Yamazaki (J-PARC, KEK & JAEA)*
- MOPEC067 **Status of J-PARC RFQ** – *K. Hasegawa, T. Kobayashi, Y. Kondo, T. Morishita, H. Oguri (JAEA/J-PARC) Y. Hori, C. Kubota, H. Matsumoto, F. Naito, M. Yoshioka (KEK)*
- MOPEC068 **High Intensity Beam Operations in the J-PARC 3-GeV RCS** – *H. Hotchi (JAEA/J-PARC)*
- MOPEC069 **Status and Progress of the J-PARC 3-GeV RCS** – *M. Kinsho (JAEA/J-PARC)*
- MOPEC070 **The Optimization of Beam Dynamics Design for CSNS/RCS** – *S. Wang (IHEP Beijing)*
- MOPEC071 **Compact Pulsed Hadron Source Project Status** – *J. Wei, X. Guan, C.-K. Loong (TUB)*
- MOPEC072 **Simulation based Analysis of the Correlation between the Thermo-mechanical and the High Frequency Electromagnetic Characteristics of a Current Monitor at the PSI Proton Accelerator Facilities** – *Y. Lee, P.-A. Duperrex, V. Gandel, D.C. Kiselev, U. Mueller (PSI)*

- MOPEC073 **Beam Loss Studies of the ISIS Synchrotron using ORBIT** – D.J. Adams (STFC/RAL/ASTeC) I.S.K. Gardner, B. Jones, B.G. Pine, A. Seville, H. V. Smith, C.M. Warsop, R.E. Williamson (STFC/RAL/ISIS)
- MOPEC074 **Injection Upgrade for the ISIS Synchrotron** – B. Jones, D.J. Adams, S.J.S. Jago, H. V. Smith, C.M. Warsop (STFC/RAL/ISIS)
- MOPEC075 **Status of the RAL Front End Test Stand** – A.P. Letchford, M.A. Clarke-Gayther, D.C. Faircloth, S.R. Lawrie, M. Perkins, P. Wise (STFC/RAL/ISIS) S.M.H. Alsari, S. Jolly, D.A. Lee, P. Savage (Imperial College of Science and Technology, Department of Physics) J.J. Back (University of Warwick) C. Gabor, D.C. Plostinar (STFC/RAL/ASTeC) A. Kurup (Fermilab) J.K. Pozimski (STFC/RAL)
- MOPEC076 **Integrated Design Method and Beam Dynamics Simulations for the FETS Radio Frequency Quadrupole** – S. Jolly, M.J. Easton (Imperial College of Science and Technology, Department of Physics) A.P. Letchford (STFC/RAL/ISIS) J.K. Pozimski (STFC/RAL)
- MOPEC077 **Dual Harmonic Acceleration on the ISIS Synchrotron** – A. Seville, D.J. Adams, D. Bayley, N.E. Farthing, I.S.K. Gardner, R.J. Mathieson, J.W.G. Thomason, C.M. Warsop (STFC/RAL/ISIS)
- MOPEC078 **Commissioning of the Low Energy Beam Transport of the Front End Test Stand** – J.J. Back (University of Warwick) J. Alonso (Fundación Tekniker) E.J. Bermejo (Bilbao, Faculty of Science and Technology) R. Enparantza (Fundación TEKNIKER) D.C. Faircloth, A.P. Letchford (STFC/RAL) C. Gabor (STFC/RAL/ASTeC) S.R. Lawrie (STFC/RAL/ISIS) J. Lucas (Elytt Energy) J.K. Pozimski, P. Savage (Imperial College of Science and Technology, Department of Physics)
- MOPEC079 **A Tuning System for the FETS RFQ** – S.M.H. Alsari, J.K. Pozimski, P. Savage, O. Zorba (Imperial College of Science and Technology, Department of Physics) A.P. Letchford (STFC/RAL/ISIS)
- MOPEC080 **Bunch Compression Strategies for a Future High Power Facility** – L.J. Jenner (Imperial College of Science and Technology, Department of Physics)
- MOPEC081 **The Concept Design of the CW Linac of the Project X** – N. Solyak, I.G. Gonin, A. Lunin, S. Nagaitsev, J.-F. Ostiguy, N. Perunov, V.P. Yakovlev (Fermilab)
- MOPEC082 **Lattice Design for CW Project X SC Linac** – N. Solyak, I.G. Gonin, J.-F. Ostiguy, V.P. Yakovlev (Fermilab) N. Perunov (MIPT)
- MOPEC083 **Compensation of Space Charge in High-intensity Proton Accelerators with Trapped Electron Columns from Beam-induced Rest-gas Ionization** – V.D. Shiltsev, G. Stancari, A. Valishev (Fermilab) A.A. Kabantsev (UCSD)
- MOPEC084 **Simulations of Electron Cloud for Fermilab Main Injector** – X. Zhang (Fermilab)

- MOPEC085 **Status of the SNS Power Ramp Up** – M.A. Plum (ORNL)
 MOPEC086 **Development of Very Small ECR H⁺ Ion Source** –
 has been M. Ichikawa, H. Fujisawa, Y. Iwashita, H. Tongu, S. Ushi-
 THPEC059 jima, M. Yamada (Kyoto ICR)

| 24-May-10 | 16:00 – 18:00 | Poster | Poster Hall D |
|------------------------------|---|--------|---------------|
| MOPD — Poster Session | | | |
| MOPD001 | Stepwise Ray-tracing Based Spin Tracking Simulations In AGS – F. Meot (CEA) H. Huang, W.W. MacKay, T. Roser (BNL) | | |
| MOPD002 | Acceleration of Intermediate Charge State Heavy Ions in SIS18 – P.J. Spiller (GSI) | | |
| MOPD003 | Engineering Status of SIS100 – P.J. Spiller (GSI) | | |
| MOPD004 | Magnetic Field Correction in Normal Conducting Synchrotrons – E. Feldmeier, Th. Haberer, A. Peters, C. Schömers, R. Steiner (HIT) | | |
| MOPD005 | Design of PEFP RCS – J.-H. Jang, Y.-S. Cho, H.S. Kim, H.-J. Kwon (KAERI) Y.Y. Lee (BNL) | | |
| MOPD006 | Conceptual Design and Beam Dynamics of a Carbon-ion Synchrotron for Cancer Therapy – H. Yim, D.H. An, G. Hahn, H.B. Hong, H.S. Jang, I.S. Jung, J. Kang, K.U. Kang, G.B. Kim, Y.-S. Kim (KIRAMS) | | |
| MOPD007 | Design of the Nuclotron Booster in the NICA Project – A.O. Sidorin, I.N. Meshkov, V.A. Mikhaylov, G.V. Trubnikov (JINR) A.V. Butenko (JINR/LHE) | | |
| MOPD008 | Status of the Nuclotron. 'Nuclotron-M' project – A.O. Sidorin, N.N. Agapov, G.V. Trubnikov (JINR) A.D. Kovalenko (JINR/LHE) | | |
| MOPD009 | Injector Complex of the NICA Facility – A.O. Sidorin, A. Govorov, V. Kobets, I.N. Meshkov, V. Monchinsky, G.V. Trubnikov (JINR) O.K. Belyaev (IHEP Protvino) | | |
| MOPD010 | Lattice of the NICA Collider Rings – A.O. Sidorin, O.S. Kozlov, I.N. Meshkov, V.A. Mikhaylov, G.V. Trubnikov (JINR) | | |
| MOPD011 | Project of the Nuclotron-based Ion Collider facility (NICA) at JINR – A.O. Sidorin, I.N. Meshkov, G.V. Trubnikov (JINR) A.D. Kovalenko (JINR/LHE) | | |
| MOPD012 | Routine Operation of ITEP-TWAC Facility and Machine Capabilities Development – N.N. Alexeev, P.N. Alekseev, A. Balabaev, V.I. Nikolaev, Y. Satov, V.A. Schegolev, B.Y. Sharkov, A. Shumshurov, V.P. Zavodov (ITEP) | | |
| MOPD013 | Upgrade of the Quench Protection Systems for the Superconducting Circuits of the LHC Machine at CERN: From Concept and Design to the First Operational Experience. – F. Formenti, Z. Charifoulline, G.-J. Coelingh, K. Dahlerup-Petersen, R. Denz, A.P. Siemko, J. Steckert (CERN) SF Feher, R.H. Flora, H. Pfeffer (Fermilab) | | |
| MOPD014 | Single-batch Filling of the CERN PS for LHC-type Beams – S. Hancock, C. Carli, J.F. Comblin, A. Findlay, K. Hanke, B. Mikulec (CERN) | | |

- MOPD015 **Status of the Linac4 Project at CERN** – *K. Hanke, C. Carli, R. Garoby, F. Gerigk, A.M. Lombardi, S. Maury, C. Rossi, M. Vretenar (CERN)*
- MOPD016 **Injection Upgrades for the ISIS Synchrotron** – *J.W.G. Thomason, D.J. Adams, D.J.S. Findlay, I.S.K. Gardner, S.J.S. Jago, B. Jones, A.P. Letchford, R.J. Mathieson, S.J. Payne, B.G. Pine, A. Seville, H. V. Smith, C.M. Warsop, R.E. Williamson (STFC/RAL/ISIS) J. Pasternak (STFC/RAL) C.R. Prior, G.H. Rees (STFC/RAL/ASTeC)*
- MOPD017 **Impedance Considerations for the Design of the Vacuum System of the CERN PS2 Proton Synchrotron** – *K.L.F. Bane, G.V. Stupakov, U. Wienands (SLAC) M. Benedikt, A. Grudiev, E. Mahner (CERN)*
- MOPD018 **A New Life for High Voltage Electrostatic Accelerators** – *P. Beasley, O. Heid, T.J.S. Hughes (Siemens AG, Healthcare Technology and Concepts)*
- MOPD019 **Tandem Accelerator as the Injector for the Medical-use Synchrotron at the Wakasa-wan Energy Research Center** – *S. Hatori, S. Fukumoto, T. Kurita, E.J. Minehara (WERC)*
- MOPD020 **Ion Injector Based on Tandem Accelerator** – *A.V. Semenov, V.G. Cherepkov, V. Klyuev, E.S. Konstantinova, E.A. Kuper, V.R. Mamkin, A.S. Medvedko, P.I. Nemytov, V.V. Repkov, V.B. Reva, R.A. Salimov, D.V. Senkov, V.A. Vostrikov (BINP SB RAS)*
- MOPD021 **Low Energy Ion Injector at KACST** – *M.O.A. El Ghazaly, A.A. Almukhem, A.M. Mandil (KACST) A.I. Papash (JINR) C.P. Welsch (Cockcroft Institute)*
- MOPD022 **Design of a Combined Fast and Slow Extraction for the Ultra-low Energy Storage Ring (USR)** – *G.A. Karamysheva, A.I. Papash (JINR) C.P. Welsch (Cockcroft Institute)*
- MOPD023 **DITANET - Investigations into Accelerator Beam Diagnostics** – *C.P. Welsch (Cockcroft Institute) C.P. Welsch (The University of Liverpool)*
- MOPD024 **Scintillating Screen Studies for Low Energy, Low Intensity Beams** – *J. Harasimowicz, C.P. Welsch (Cockcroft Institute) L. Cosentino, P. Finocchiaro, A. Pappalardo (INFN/LNS) J. Harasimowicz (The University of Liverpool)*
- MOPD025 **Status of the SPIRAL 2 Superconducting LINAC** – *P.-E. Bernaudin, R. Ferdinand (GANIL) P. Bosland (CEA) G. Olry (IPN)*
- MOPD026 **Unsegmented vs. Segmented 4-vane RFQ: Theory and Cold Model Experiments** – *A. France, O. Delferriere, M. Desmons, Y. Le Noa, J. Novo, O. Piquet (CEA)*
- MOPD027 **The RF Design of the Linac4 RFQ** – *O. Piquet, O. Delferriere, M. Desmons, A. France (CEA) A.M. Lombardi, C. Rossi, M. Vretenar (CERN)*
- MOPD028 **Commissioning of a New CW Radio Frequency Quadrupole at GSI** – *P. Gerhard, W.A. Barth, L.A. Dahl, K. Tinschert, W. Vinzenz, H. Vormann, S.G. Yaramyshev (GSI) A. Schempp, M. Vossberg (IAP)*

- MOPD029 **Development of a new Broadband Accelerating System for the SIS18 Upgrade at GSI** – P. Hülsmann, R. Balss, H. Klingbeil, U. Laier, K.-P. Ningel, C. Thielmann, B. Zipfel (GSI)
- MOPD030 **The New cw-RFQ-Prototype** – U. Bartz, J.M. Maus, A. Schempp (IAP)
- MOPD031 **Development And Measurements on a Coupled CH Proton Linac for FAIR** – R. B. Brodhage, H. Podlech, U. Ratzinger (IAP) G. Clemente, L. Groening (GSI)
- MOPD032 **Superconducting CH-Cavity Development** – M. Busch, M. Amberg, H. Podlech, U. Ratzinger (IAP)
- MOPD033 **Simulation for Beam Matching Section with RFQSIM** – N. Mueller, P. Kolb, A. Schempp (IAP)
- MOPD034 **A Beam Matching System for the Frankfurt Funneling Experiment** – N. Mueller, P. Kolb, A. Schempp (IAP)
- MOPD035 **Four-Rod RFQ Tuning** – J.S. Schmidt, A. Schempp (IAP)
- MOPD036 **Simulations of Buncher-cavities with Large Apertures** – P.L. Till, P. Kolb, A. Schempp, J.S. Schmidt, M. Vossberg (IAP)
- MOPD037 **Beam Dynamics Optimization of a 3-17 MeV DTL for EUROTRANS Based on Simulated RF Structures** – C. Zhang, M. Busch, E.D. Dziuba, H. Klein, H. Podlech, U. Ratzinger (IAP)
- MOPD038 **Back-to-Back Cavities for Very Low Energy High Power Side Coupled Linacs** – F. Galluccio, V.G. Vaccaro (Naples University Federico II and INFN)
- MOPD039 **Development of Neutral Beam Injector System for ITER: Activities at the Test Facility** – V. Antoni (Consorzio RFX, Associazione Euratom-ENEA sulla Fusione)
- MOPD040 **Secondary Particles in the Acceleration Stage of High Current, High Voltage Neutral Beam Injectors: the Case of the Injectors of the Thermonuclear Fusion Experiment ITER** – G. Serianni, P. Agostinetti, V. Antoni, G. Chitarin, E. Gazza, N. Marconato, N. Pilan, P. Veltri (Consorzio RFX, Associazione Euratom-ENEA sulla Fusione) M. Cavenago (INFN/LNL) G. Fubiani (GREPHE/LAPLACE)
- MOPD041 **Recent Progress in the Beam Commissioning of J-PARC Linac** – M. Ikegami (KEK) A. Miura (JAERI/J-PARC) H. Sako (JAERI)
- MOPD042 **Commissioning of the IFMIF/EVEDA Accelerator Prototype Objectives, Organization and Plans** – Ch. Vermare, P. Garin (IFMIF/EVEDA) P.-Y. Beauvais, A. Mosnier (CEA) A. Facco, A. Pisent (INFN/LNL) R. Heidinger (Fusion for Energy) A. Ibarra (CIEMAT) H. Kimura, S. Maebara, S. O'hira, Y. Okumura, K. Shinto, H. Takahashi (JAERI)
- MOPD043 **Thermal Characteristics of a New RFQ for J-PARC** – Y. Kondo, K. Hasegawa, T. Morishita (JAERI/J-PARC) H. Matsumoto, F. Naito (KEK)

- MOPD044 **Fabrication of the New RFQ for the J-PARC Linac** – T. Morishita, K. Hasegawa, Y. Kondo (JAEA/J-PARC) H. Baba, Y. Hori, H. Kawamata, H. Matsumoto, F. Naito, M. Yoshioka (KEK)
- MOPD045 **Design and Simulation of C⁶⁺ Hybrid Single Cavity Linac for Cancer Therapy** – L. Lu, T. Hattori, N. Hayashizaki (RLNR)
- MOPD046 **Construction of New Injector Linac for RI Beam Factory at RIKEN Nishina Center** – K. Yamada, S. Arai, M.K. Fujimaki, T. Fujinawa, N. Fukunishi, A. Goto, Y. Higurashi, E. Ikezawa, O. Kamigaito, M. Kase, M. Komiyama, H. Kuboki, K. Kumagai, T. Maie, M. Nagase, T. Nakagawa, J. Ohnishi, H. Okuno, N.S. Sakamoto, Y. Sato, K. Suda, H. Watanabe, T. Watanabe, Y. Watanabe, Y. Yano, S. Yokouchi (RIKEN Nishina Center) H. Fujisawa (Kyoto ICR)
- MOPD047 **Design of the RFQ Accelerator for the Compact Pulsed Hadron Source at Tsinghua University** – Q.Z. Xing (TUB)
- MOPD048 **The Primary Design of the DTL for the CPHS** – S.X. Zheng, X. Guan, J. Wei (TUB) J.H. Li (CIAE) Y.L. Zhao (IHEP Beijing)
- MOPD049 **Conceptual Design of 50MHz RFQ for Rare Isotope Beams** – Y.-S. Cho, J.-H. Jang, H.S. Kim, H.-J. Kwon (KAERI)
- MOPD050 **Operation of the PEPF 20MeV Proton Linac at KAERI** – H.-J. Kwon, E.-M. An, Y.-S. Cho, I.-S. Hong, J.-H. Jang, D.I. Kim, H.S. Kim, H.R. Lee, K. Min, B.-S. Park, K.T. Seol, Y.-G. Song, S.P. Yun (KAERI)
- MOPD051 **Design of KONUS IH-DTL for a Medical Accelerator** – G. Hahn, D.H. An, H.B. Hong, H.S. Jang, I.S. Jung, J. Kang, K.U. Kang, G.B. Kim, Y.-S. Kim, H. Yim (KIRAMS)
- MOPD052 **Progress Work on High-current Heavy Ion Linac for ITEP TWAC Facility** – V.A. Andreev, N.N. Alexeev, A. Kolomiets, V.A. Koshelev, V.G. Kuzmichev, S. Minaev, B.Y. Sharkov (ITEP)
- MOPD053 **Conceptual Design of the ESS LINAC** – M. Eshraqi, M. Brandin, I. Bustinduy, C.J. Carlile, H. Hahn, M. Lindroos, C. Oyon, S. Peggs, A. Ponton, K. Rathsman (ESS) R. Calaga, T. Satogata (BNL) A. Jansson (Fermilab)
- MOPD054 **Mechanical Design, Brazing and Assembly Procedures of the Linac4 RFQ** – S.J. Mathot, P. Bourquin, A. Briswalter, Th. Callamand, J. Carosone, N. Favre, J.-M. Geisser, A.M. Lombardi, V. Maire, M. Malabaila, D. Pugnât, Ph. Richerot, B. Riffaud, C. Rossi, M.A. Timmins, A. Vacca, M. Vretenar (CERN)
- MOPD055 **Accelerating Structures Pre-stripping Section the MILAC Heavy Ion Linear Accelerator** – V.A. Bomko, Ye.V. Ivakhno, A.P. Kobets, J.V. Meleshkova, Z.O. Ptukhina, S.S. Tishkin, B.V. Zajtsev (NSC/KIPT)

- MOPD056 **The Mechanical Engineering Design of the FETS RFQ** – *P. Savage, S.M.H. Alsari, S. Jolly (Imperial College of Science and Technology, Department of Physics) S.R. Lawrie, A.P. Letchford, P. Wise (STFC/RAL/ISIS) J.K. Pozimski (STFC/RAL)*
- MOPD057 **Assessing the Transmission of the H⁻ Ion Beam on the Front End Test Stand** – *S.R. Lawrie, D.C. Faircloth, A.P. Letchford, M. Perkins (STFC/RAL/ISIS) C. Gabor (STFC/RAL/ASTeC) J.K. Pozimski (Imperial College of Science and Technology, Department of Physics)*
- MOPD058 **Combined Electromagnetic-Thermal-Structural Simulation of the Four-metre Radio Frequency Quadrupole to be Installed on the Front End Test Stand** – *S.R. Lawrie, A.P. Letchford (STFC/RAL/ISIS) J.K. Pozimski, P. Savage (Imperial College of Science and Technology, Department of Physics)*
- MOPD059 **Design of the RAL Front End Test Stand MEBT** – *D.C. Plostinar (STFC/RAL/ASTeC)*
- MOPD060 **Design Optimisation and Particle Tracking Simulations for PAMELA Injector RFQ** – *M.J. Easton, M. Aslaninejad, S. Jolly, J.K. Pozimski (Imperial College of Science and Technology, Department of Physics) K.J. Peach (JAI)*
- MOPD061 **650 MHz Option for High-energy Part of the Project X linac** – *V.P. Yakovlev, I.G. Gonin, N. Perunov, N. Solyak (Fermilab)*
- MOPD062 **H-Mode Accelerating Structures with PMQ Focusing for Low-Beta Ion Beams** – *S.S. Kurennoy, J.F. O'Hara, E.R. Ollivas, L. Rybarczyk (LANL)*
- MOPD063 **Experimental Study of SNS MEBT Chopper Performance** – *A.V. Aleksandrov (ORNL)*
- MOPD064 **Bunched Beam Stochastic Cooling at COSY and Application to the NICA Project** – *T. Katayama (GSI) T. Kikuchi (Nagaoka University of Technology) R. Maier, D. Prasuhn, R. Stassen, H. Stockhorst (FZJ) I.N. Meshkov (JINR)*
- MOPD065 **Beam Accumulation with Barrier Voltage and Stochastic Cooling** – *T. Katayama, M. Steck (GSI) T. Kikuchi (Nagaoka University of Technology) R. Maier, D. Prasuhn, R. Stassen, H. Stockhorst (FZJ) I.N. Meshkov (JINR)*
- MOPD066 **A Novel Method for the Preparation of Cooled Rare Isotope Beams** – *M. Steck, C. Brandau, C. Dimopoulou, C. Kozhuharov, E. Nolden (GSI)*
- MOPD067 **Status of the 2 MeV Electron Cooler for COSY/ HESR** – *J. Dietrich, V. Kamerdzhev (FZJ) M.I. Bryzgunov, A.D. Goncharov, V.M. Panasyuk, V.V. Parkhomchuk, V.B. Reva, D.N. Skorobogatov (BINP SB RAS)*
- MOPD068 **Stochastic Momentum Cooling Experiments with a Barrier Bucket Cavity and Internal Targets at COSY-Jülich in Preparation for HESR at FAIR** – *H. Stockhorst, R. Maier, D. Prasuhn, R. Stassen (FZJ) T. Katayama (GSI) L. Thorn-dahl (CERN)*

- MOPD069 **Ionization Cooling in a Low-energy ion Ring with Internal Target for Beta-beams Production** – E. Benedetto (*National Technical University of Athens*)
- MOPD070 **Numerical Study on Simultaneous Use of Stochastic Cooling and Electron Cooling with Internal Target at COSY** – T. Kikuchi, N. Harada, T. Sasaki, H. Tamukai (*Nagaoka University of Technology*) J. Dietrich, R. Maier, D. Prasuhn, R. Stassen, H. Stockhorst (FZJ) T. Katayama (GSI)
- MOPD071 **Horizontal-Vertical Coupling for Three Dimensional Laser Cooling** – T. Hiromasa, M. Nakao, A. Noda, H. Souda, H. Tongu (*Kyoto ICR*) K. Jimbo (*Kyoto IAE*) T. Shirai (NIRS)
- MOPD072 **Optical Measurement of Transverse Laser Cooling with Synchro-Betatron Coupling** – M. Nakao, T. Hiromasa, A. Noda, H. Souda, H. Tongu (*Kyoto ICR*) M. Grieser (MPI-K) K. Jimbo (*Kyoto IAE*) H. Okamoto (HU/AdSM) T. Shirai (NIRS) A.V. Smirnov (JINR)
- MOPD073 **Transverse Laser Cooling by Synchro-betatron Coupling** – H. Souda, T. Hiromasa, M. Nakao, A. Noda, H. Tongu (*Kyoto ICR*) M. Grieser (MPI-K) K. Jimbo (*Kyoto IAE*) H. Okamoto (HU/AdSM) T. Shirai (NIRS) A.V. Smirnov (JINR)
- MOPD074 **Beam Lifetime with the Vacuum System in S-LSR** – H. Tongu, T. Hiromasa, M. Nakao, A. Noda, H. Souda (*Kyoto ICR*) T. Shirai (NIRS)
- MOPD075 **Effect of Secondary Ions on the Electron Beam Optics in the Recycler Electron Cooler** – A.V. Shemyakin, L.R. Prost, G.W. Saewert (*Fermilab*)
- MOPD076 **Helical Cooling Channel Designs and Simulations for Muon Colliders** – K. Yonehara (*Fermilab*) Y.S. Derbenev (JLAB) R.P. Johnson (*Muons, Inc*)
- MOPD077 **Progress on Analytical Modeling of Coherent Electron Cooling** – G. Wang, M. Blaskiewicz, V. Litvinenko, S.D. Webb (BNL)
- MOPD078 **Large Aperture Electron Beam Scan with Vibrating Wire Monitor in Air** – S.G. Arutunian, M.M. Davtyan, I.E. Vasiniuk (*YerPhI*) G.S. Harutyunyan (YSU)
- MOPD079 **A Novel Synchrotron Radiation Interferometer for the Australian Synchrotron** – K.P. Wootton (*Monash University, Faculty of Science*) M.J. Boland (ASCo)
- MOPD080 **Upgrade of the Booster Beam Position Monitors at the Australian Synchrotron** – E.D. van Garderen, A. C. Starritt, Y.E. Tan, K. Zingre, M.L.M. ten Have (ASCo)
- MOPD081 **Progress with Low Intensity Beam Diagnostics at ISAC** – V.A. Verzilov (TRIUMF)
- MOPD082 **GEM-TPC Trackers for the Super-FRS at FAIR** – M. Kalliokoski, F. Garcia, A. Numminen, E.M. Tuominen (HIP) R. Janik, M. Pikna, B. Sitar, P. Strmen, I. Szarka (*Comenius University in Bratislava, Faculty of Mathematics Physics and Informatics*) R. Lauhakangas (*Helsinki University, Department of Physics*)

- MOPD083 **Improvements of the Set-up and Procedures for Beam Energy Measurements at BESSY II** – *P. Kuske, P.O. Schmid (Helmholtz-Zentrum Berlin für Materialien und Energie GmbH) R. Goergen, J. Kuszynski (Helmholtz-Zentrum Berlin für Materialien und Energie GmbH, Elektronen-Speicherring BESSY II)*
- MOPD084 **An Optical Electron Beam Imaging System of High Sensitivity at the Metrology Light Source** – *C. Koschitzki, A. Hoehl, R. Klein, R. Thornagel (PTB) J. Feikes, M.V. Hartrott, K. Holldack, G. Wuestefeld (Helmholtz-Zentrum Berlin für Materialien und Energie GmbH, Elektronen-Speicherring BESSY II)*
- MOPD085 **Measurement and Correction of the Longitudinal and Transversal Tunes on the Fast Energy Ramp at ELSA** – *M. Eberhardt, F. Frommberger, W. Hillert, A. Roth (ELSA)*
- MOPD086 **Beam Position Monitoring based on Higher Beam Harmonics for Application in Compact Medical and Industrial Linear Electron Accelerators** – *M. Ruf, L. Schmidt (U. Erlangen-Nurnberg LHFT) S. Setzer (Siemens Med)*
- MOPD087 **Error Emittance and Error Twiss Functions - Reconstruction of Difference Orbit Parameters by BPMs with Finite Resolution** – *V. Balandin, W. Decking, N. Golubeva (DESY)*
- MOPD088 **Resolution Studies of Inorganic Scintillation Screens for High Energetic and High Brilliant Electron Beams** – *G. Kube, C. Behrens (DESY) W. Lauth (IKP)*
- MOPD089 **PETRA III Diagnostics Beamline for Emittance Measurements** – *G. Kube, J. Gonschior, U. Hahn, G. Priebe, H. Schulte-Schrepping, Ch. Wiebers (DESY) P. Ilinski (BNL) C.G. Schroer (TUD)*
- MOPD090 **Upgrade and Evaluation of the Bunch Compression Monitor at the Free-electron Laser in Hamburg (FLASH)** – *C. Behrens, B. Schmidt, S. Wesch (DESY) D. Nicoletti (Università di Roma I La Sapienza)*
- MOPD091 **Picosecond to Femtosecond Temporal Overlap Measurements of Injected Electron and Soft X-ray Pulses at sFLASH** – *R. Tarkeshian, A. Azima, J. Boedewadt, H. Delsim-Hashemi, V. Miltchev, J. Rossbach, J. Rönsch-Schulenburg (Uni HH) R. Ischebeck (PSI) E. Saldin, H. Schlarb, S. Schreiber (DESY)*
- MOPD092 **The Diagnostics System at the Cryogenic Storage Ring CSR** – *M. Grieser, R. Bastert, K. Blaum, H. Buhr, D. Fischer, F. Laux, R. Reppow, T. Sieber, A. Wolf, R. von Hahn (MPI-K) A. Noda, H. Souda (Kyoto ICR)*
- MOPD093 **Nondestructive Beam Instrumentation and Electron Cooling Beam Studies at COSY** – *V. Kamerdzhev, J. Dietrich (FZJ) C. Boehme (UniDo/IBS) T. Giacomini (GSI)*
- MOPD094 **Single Bunch Operation at ANKA: Gun Performance, Timing and First Results** – *A. Hofmann, I. Birkel, M. Fitterer, S. Hillenbrand, N. Hiller, E. Huttel, V. Judin, M. Klein, S. Marsching, A.-S. Müller, N.J. Smale, K.G. Sonnad, P.F. Tavares (KIT)*

- MOPD095 **Various Improvements to Operate the 1.5 GeV HDSM at MAMI** – *M. Dehn, O. Chubarov, H. Euteneuer, R.G. Heine, A. Jankowiak, H.-J. Kreidel, O. Ott (IKP)*
- MOPD096 **Plannar Microchannel Target** – *H.S. Zhang, K.Y. Gong, Y.F. Ruan (IHEP Beijing) J. Cao (IHEP Beijing)*
- MOPD097 **FERMI@Elettra Low-Energy RF Deflector FEM Analysis** – *D. La Civita, P. Craievich, M. Petronio (ELETTRA) Y.A. Kharoubi (Units)*
- MOPD098 **Fast IR Array Detector for Transverse Beam Diagnostics at DAΦNE** – *A. Bocci, M. Cestelli Guidi, A. Clozza, A. Drago, A. Grilli, A. Marcelli, A.R. Raco, R.S. Sorchetti (INFN/LNF) A. De Sio, E. Pace (Università degli Studi di Firenze) L. Gambicorti (INO) J.P. Piotrowski (VIGO System S.A.)*
- MOPD099 **High Brightness Beam Measurement Techniques and Analysis at SPARC** – *D. Filippetto, M. Bellaveglia, E. Chiadroni, A. Gallo, B. Marchetti (INFN/LNF) A. Cianchi (INFN-Roma II) A. Mostacci (Rome University La Sapienza) C. Ronsivalle (ENEA C.R. Frascati)*
- MOPD100 **Very Fast Capacitive Probe for Electron Beams Pulses** – *V. Nassisi, M.V. Siciliano (INFN-Lecce) A. Lorusso (Laboratorio di Elettronica Applicata e Strumentazione, LEAS,)*
- MOPD101 **A Low-Energy Deflector for the FERMI@Elettra Project** – *P. Craievich, S. Biedron, S. Di Mitri, M. Ferianis, D. La Civita, G. Penco, M. Petronio (ELETTRA)*
- MOPD102 **Space Charge Analysis on the Multi-wire Proportional Chamber for the High Rate Incident Beams** – *K. Katagiri, T. Furukawa, K. Noda, E. Takeshita (NIRS)*
- MOPD103 **Development of an Apparatus for Measuring Transverse Phase-space Acceptance** – *H. Kashiwagi, I. Ishibori, T. Ishizaka, S. Kurashima, N. Miyawaki, T. Nara, S. Okumura, W. Yokota, K. Yoshida, Y. Yuri, T. Yuyama (JAEA/TARRI)*

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|------------------------------|---------------|--------|---------------|
| 24-May-10 | 16:00 – 18:00 | Poster | Poster Hall E |
| MOPE — Poster Session | | | |

- MOPE001 **A Tank Circuit Monitoring a Large Number of Antiprotons in MUSASHI for the Production of Low Energy Antiproton Beams** – *H. Higaki, H. Okamoto (HUI/AdSM) Y. Enomoto, C.H. Kim, N. Kuroda, Y. Matsuda, H.A. Torii, Y. Yamazaki (The University of Tokyo, Institute of Physics) H. Hori (MPQ) H. Imao, Y. Kanai, A. Mohri, Y. Nagata (RIKEN) K. Kira (Hiroshima University, Graduate School of Advanced Sciences of Matter) K. Michishio (Tokyo University of Science)*
- MOPE002 **Deflecting Cavity for Bunch Length Diagnostics in Compact ERL Injector** – *S. Matsuba (Hiroshima University, Graduate School of Science) Y. Honda, T. Miyajima (KEK)*
- MOPE003 **Development of a Multi-stripline Beam Position Monitor for a Wide Flat Beam of XFEL/SPring-8** – *H. Maesaka, S.I. Inoue, S.M. Matsubara, Y. Otake (RIKEN/SPring-8)*

- MOPE004 **Development and Construction Status of the Beam Diagnostic System for XFEL/SPring-8** – *S.M. Matsubara, A. Higashiya, H. Maesaka, T. Ohshima, Y. Otake, T. Shintake, H. Tanaka, K. Togawa, M. Yabashi (RIKEN/SPring-8) H. Ego, S. Inoue, K. Tamasaku, T. Togashi, H. Tomizawa, K. Yanagida (JASRI/SPring-8)*
- MOPE005 **Countermeasure to Suppress the Filling Pattern Dependence of the BPM Electronics of SPring-8 Storage Ring** – *S. Sasaki, T. Fujita (JASRI/SPring-8)*
- MOPE006 **Feasibility Study of Radial EO-sampling Monitor to Measure 3D Bunch Charge Distributions with a Resolution of Femtosecond** – *H. Tomizawa, H. Dewa, H. Hanaki, S. Matsubara, A. Mizuno, T. Taniuchi, K. Yanagida (JASRI/SPring-8) T. Ishikawa, N. Kumagai (RIKEN/SPring-8) K. Lee, A. Maekawa, M. Uesaka (The University of Tokyo, Nuclear Professional School)*
- MOPE007 **Measurement of Low-Emittance Beam with Coded Aperture X Ray Optics at CsrTA** – *J.W. Flanagan, H. Fukuma, H. Ikeda, T.M. Mitsuhashi (KEK) J.P. Alexander, N. Egger, W.H. Hopkins, M.A. Palmer, D.P. Peterson (CLASSE) B. Kreis (Cornell University)*
- MOPE008 **Improved Measurement of Crabbing Angle by a Streak Camera at KEKB** – *H. Ikeda, J.W. Flanagan, H. Fukuma, T.M. Mitsuhashi (KEK)*
- MOPE009 **Improvement of the Resolution of SR Interferometer at KEK-ATF Damping Ring** – *T. Naito, T.M. Mitsuhashi (KEK)*
- MOPE010 **Observation of Dust Trapping by Using Video Cameras** – *Y. Tanimoto, T. Honda, S. Sakanaka (KEK)*
- MOPE011 **Shot-by-shot Beam Position Monitor System for Beam Transport Line from RCS to MR in J-PARC** – *M. Tejima, D.A. Arakawa, Y. Hashimoto (KEK) K. Hanamura (MELCO SC) N. Hayashi (JAEA/J-PARC) K. Satou, T. Toyama, N. Yamamoto (J-PARC, KEK & JAEA)*
- MOPE012 **Performance of the Main Ring BPM during the Beam Commissioning at J-PARC** – *T. Toyama, D.A. Arakawa, S. Hiramatsu, S. Igarashi, S. Lee, H. Matsumoto, J.-I. Odagiri, M. Tejima, M. Tobiyama (KEK) K. Hanamura, S. Hatakeyama (MELCO SC) Y. Hashimoto, K. Satou, J. Takano (J-PARC, KEK & JAEA) N. Hayashi (JAEA/J-PARC)*
- MOPE013 **Measurements of Proton Beam Extinction at J-PARC** – *K. Yoshimura, Y. Hashimoto, Y. Hori, Y. Igarashi, S. Mihara, H. Nishiguchi, Y. Sato, M. Shimamoto, Y. Takeda, M. Uota (KEK) M. Aoki, N. Nakadozono, T. Tachimoto (Osaka University)*
- MOPE014 **Development of a Nondestructive Beam Profile Monitor using a Nitrogen-molecule Gas-jet Sheet** – *Y. Hashimoto, T. Toyama (J-PARC, KEK & JAEA) T. Fujisawa (AEC) T. Morimoto (Morimoto Engineering) T.M. Murakami, K. Noda (NIRS) S. Muto (KEK) D. Ohsawa (Kyoto University, Radioisotope Research Center)*

- MOPE015 **Application of a Single-wire Proportional Counter Tube to the Beam Loss Monitoring at J-PARC MR** – K. Satou, Y. Hashimoto, T. Toyama (J-PARC, KEK & JAEA) H. Harada, K. Yamamoto (JAEA/J-PARC) S. Motohashi (Kanto Information Service (KIS), Accelerator Group) J.-I. Odagiri, M. Tejima (KEK)
- MOPE016 **Beam Monitor System for Central Japan Synchrotron Radiation Research Facility** – M. Hosaka, Y. Furui, H. Morimoto, A. Nagatani, K. Takami, Y. Takashima, N. Yamamoto (Nagoya University) M. Adachi, M. Katoh, H. Zen (UVSOR) T. Tanikawa (Sokendai - Okazaki)
- MOPE017 **Status of the MICE Tracker System** – H. Sakamoto (Osaka University)
- MOPE018 **A Negative Ion Beam Probe for Diagnostics of a High Intensity Ion Beam** – K. Shinto (JAEA) O. Kaneko, M. Nishiura, K. Tsumori (NIFS) M. Kasaki, M. Sasao (Tohoku University, School of Engineering) M. Wada (Doshisha University, Graduate School of Engineering)
- MOPE019 **A Direct Measurement of the Longitudinal Phase Space for a Low Energy Electron Beam Using Energy Dependent Angular Distribution of Cherenkov Radiation** – K. Nanbu, H. Hama, F. Hinode, M. Kawai, F. Miyahara, T. Muto, H. Oohara, Y. Tanaka (Tohoku University, School of Science)
- MOPE020 **Beam Based Alignment of the Beam Position Monitor at J-PARC RCS** – N. Hayashi, H. Harada (JAEA/J-PARC) M. Tejima (KEK) T. Toyama (J-PARC, KEK & JAEA)
- MOPE021 **Operational Performance of Wire Scanner Monitor in J-PARC Linac** – A. Miura (JAEA/J-PARC) H. Akikawa, M. Ikegami (KEK) H. Sako (JAEA)
- MOPE022 **Development of Shintake Beam Size Monitor for ATF2** – Y. Kamiya (ICEPP) S. Araki, T. Okugi, T. Tauchi, N. Terunuma, J. Urakawa (KEK) S. Komamiya, M. Orouku, T.S. Suehara, Y. Yamaguchi, T. Yamanaka (University of Tokyo)
- MOPE023 **Evaluation of Expected Performance of Shintake Beam Size Monitor for ATF2** – Y. Yamaguchi, S. Komamiya, M. Orouku, T.S. Suehara, T. Yamanaka (University of Tokyo) S. Araki, T. Okugi, T. Tauchi, N. Terunuma, J. Urakawa (KEK) Y. Kamiya (ICEPP)
- MOPE024 **Development of Radiation Resistant Optics System for High Intensity Proton Beamline at the J-PARC** – A. Toyoda, A. Agari, E. Hirose, M. Ieiri, Y. Katoh, A. Kiyomichi, M. Minakawa, T.M. Mitsuhashi, R. Muto, M. Naruki, Y. Sato, S. Sawada, Y. Suzuki, H. Takahashi, M. Takasaki, K.H. Tanaka, H. Watanabe, Y. Yamanoi (KEK) H. Noumi (RCNP)
- MOPE025 **Status of Beam Diagnostics for SESAME** – S. Varnasseri (SESAME)
- MOPE026 **The Wire Scanner at BEPCII** – Y.F. Sui (IHEP Beijing)

- MOPE027 **Simulations for the Measurements of Longitudinal Bunch Profile using Coherent Smith-Purcell Radiation** – *D. Wu, W. Liu, C.-X. Tang (TUB)*
- MOPE028 **Analysis and Calculation of Beam Energy Spread Monitor for HLS LINAC** – *J. Fang, P. Lu, Q. Luo, B. Sun, X.H. Wang (USTC/NSRL)*
- MOPE029 **Cold Test of S-band Re-entrant Cavity BPM for HLS** – *Q. Luo, J. Fang, B. Sun (USTC/NSRL)*
- MOPE030 **Bunch-by-bunch Beam Current Monitor for the HLS** – *T.J. Ma, C. Li, W.B. Li, P. Lu, B. Sun, L.L. Tang, Y.L. Yang (USTC/NSRL)*
- MOPE031 **Control and Analysis System for Digital Feedback in HeFei Source** – *M. Meng, Y.B. Chen, J.H. Wang, Y.L. Yang, Z.R. Zhou (USTC/NSRL)*
- MOPE032 **Application of the Gige Vision Digital Camera for Beam Diagnostics in HLS** – *L.L. Tang, L.M. Gu, P. Lu, T.J. Ma, B. Sun, J.G. Wang, X.H. Wang (USTC/NSRL)*
- MOPE033 **A New Beam Profile Diagnostic System based on the Industrial Ethernet** – *Y.C. Xu, Y.Z. Chen, K.C. Chu, L.F. Han, Y.B. Leng, G.B. Zhao (SINAP)*
- MOPE034 **Data Acquisition for SSRF Ring Bunch Charge Monitor** – *Y.B. Leng, Y.B. Yan, L.Y. Yu, W.M. Zhou (SSRF)*
- MOPE035 **Development of Electronics for Beam Position Monitor at ATF2 Interaction Point Region** – *A. Heo, E.-S. Kim, Y.I. Kim (Kyungpook National University) S.T. Boogert (Royal Holloway, University of London) Y. Honda (KEK) H.K. Park (KNU) D. Son (CHEP)*
- MOPE036 **Preliminary Implementation for the RF and Beam Current Monitor System Using EPICS** – *Y.-G. Song, E.-M. An, Y.-S. Cho, D.I. Kim, H.-J. Kwon (KAERI)*
- MOPE037 **Measurement of Beam Size at Pohang Light Source** – *J.Y. Ryu, E.-S. Kim, H.D. Kim, H.K. Park (KNU) C. Kim (PAL)*
- MOPE038 **Optimization of Two Dimensional SR Interferometer** – *C. Kim, I. Hwang, S.J. Park (PAL) H.K. Park, J.Y. Ryu (KNU)*
- MOPE039 **Beam Parameter Measurements of fs-THz Linac at PAL** – *C.M. Yim, S. Noh (POSTECH) H.-S. Kang, C. Kim, I.S. Ko (PAL)*
- MOPE040 **Investigation of the Formation of a Hollow Beam in the Plasma Lens** – *A.A. Drozdovsky, S.A. Drozdovsky, A. Golubev, A.P. Kuznetsov, Yu.B. Novozhilov, S.M. Savin, B.Y. Sharkov, V.V. Yanenko (ITEP)*
- MOPE041 **Peculiarities of Bunch Shape Measurements of High Intensity Ion Beams** – *A. Feschenko, V.A. Moiseev (RAS/INR)*
- MOPE042 **Measurement of the Energy Dependence of Touschek Electron Counting Rate** – *V.E. Blinov, V.A. Kiselev, S.A. Nikitin, I.B. Nikolaev, V.V. Smaluk (BINP SB RAS)*

- MOPE043 **Reversed Cherenkov-transition Radiation and Prospect of its Application to Beam Diagnostics** – *A.V. Tyukhtin, S.N. Galyamin (Saint-Petersburg State University) E.S. Belonogaya (LETI)*
- MOPE044 **Particles Energy Measurement Technique Based on Measuring of Waveguide Modes Frequencies** – *A.V. Tyukhtin, E.G. Doil'nitsina (Saint-Petersburg State University) A. Kanareykin (Euclid TechLabs, LLC)*
- MOPE045 **Simple Coherent Diffraction Radiation Technique for Bunch Length Measurement** – *G.A. Naumenko, M.V. Shevelev (Tomsk Polytechnic University, Nuclear Physics Institute) Yu.A. Popov, A. Potylitsyn, L.G. Sukhikh (TPU)*
- MOPE046 **Coherent Cherenkov Radiation from a Short bunch Passing near a Target and Possibility of a Bunch Length Diagnostics** – *A. Potylitsyn, S.Yu. Gogolev, D.V. Karlovets, Yu.A. Popov, L.G. Sukhikh (TPU) G.A. Naumenko, M.V. Shevelev (Tomsk Polytechnic University, Nuclear Physics Institute)*
- MOPE047 **Photon Beam Position Measurements using CVD Diamond based Beam Position Sensor and Libera Photon at Swiss Light Source** – *P. Leban, D.T. Tinta (I-Tech) C. Pradervand (PSI)*
- MOPE048 **Libera Hadron Beam Position Processor** – *M. Znidarcic (I-Tech)*
- MOPE049 **Beam Stop Design and Construction for the Front End Test Stand at ISIS** – *R. Enparantza, I. Ariz, P. Romano, A. Sedano (Fundación TEKNIKER) F.J. Bermejo (Bilbao, Faculty of Science and Technology) D.C. Faircloth, A.P. Letchford (STFC/RAL/ISIS)*
- MOPE050 **Multi Optical Transition Radiation System for ATF2** – *J. Alabau-Gonzalvo, C. Blanch Gutierrez, J.V. Civera, A. Faus-Golfe, J.J. Garcia-Garrigos (IFIC) J. Cruz, D.J. McCormick, G.R. White (SLAC)*
- MOPE051 **Development, Characterization and Beam Performance Test of the Beam Position Monitor Series for the TBL line of the CTF3 at CERN** – *A. Faus-Golfe, C. Blanch Gutierrez, J.V. Civera-Navarrete, J.J. Garcia-Garrigos (IFIC)*
- MOPE052 **Design of the New Emittance Meter for the 3 and 12 MeV LINAC4 H⁻ Beam** – *B. Cheymol, E. Bravin, D. Gerard, F. Roncarolo (CERN)*
- MOPE053 **Commissioning of the LINAC4 Ion Source Transverse Emittance Meter** – *B. Cheymol, E. Bravin, A.E. Lkhovitskiy, U. Raich, F. Roncarolo, R. Scrivens (CERN)*
- MOPE054 **Design of a 1.42 GHz Spin-Flip Cavity for Antihydrogen Atoms** – *S. Federmann, F. Caspers, E. Mahner (CERN) B. Juhasz, E. Widmann (SMI)*
- MOPE055 **Design for a Longitudinal Density Monitor for the LHC** – *A. Jeff, E. Bravin, T. Lefevre, A. Rabiller (CERN) C.P. Welsch (The University of Liverpool)*

- MOPE056 **Design and Results of a Time Resolved Spectrometer for the 5 MeV Photoinjector for CTF3 (PHIN)** – *D. Egger (EPFL) A.E. Dabrowski, T. Lefevre (CERN)*
- MOPE057 **First Beam Measurements with the LHC Synchrotron Light Monitors** – *T. Lefevre, E. Bravin, G. Burtin, A. Guerrero, A. Jeff, A. Rabiller (CERN) A.S. Fisher (SLAC)*
- MOPE058 **Measuring the Bunch Frequency Combination at CTF3** – *A.E. Dabrowski, S. Bettoni, E. Bravin, R. Corsini, T. Lefevre, A. Rabiller, P.K. Skowronski, L. Soby, F. Tecker (CERN) D. Egger (EPFL) A. Ferrari (Uppsala University) C.P. Welsch (The University of Liverpool)*
- MOPE059 **Commissioning and First Performance of the LHC Beam Current Measurement Systems** – *M. Ludwig, D. B. Belohrad, J.J.G. Gras, L.K. Jensen, O.R. Jones, O.P. Odier, J.-J. Savioz, S. Thoulet (CERN)*
- MOPE060 **Spectrometry in the Test Beam Line at CTF3** – *M. Olvegaard, A.E. Dabrowski, S. Doebert, T. Lefevre (CERN) E. Adli (University of Oslo)*
- MOPE061 **Gas Electron Multipliers for Low Energy Beams** – *J. Spanggaard, F. Arnold Malandain, P. Carriere, L. Ropelewski, G. Tranquille (CERN)*
- MOPE062 **Continuous Measurement and Control of Beta-Beating in the LHC** – *R.J. Steinhagen, A. Boccardi, E. Calvo Giraldo, M. Gasior, J.L. Gonzalez, O.R. Jones (CERN)*
- MOPE063 **New On-line Gain Drift Compensation for Resonant Current Monitor under Heavy Heat Load** – *P.-A. Duperrex, V. Gandel, D.C. Kiselev, Y. Lee, U. Mueller (PSI)*
- MOPE064 **The European XFEL Beam Position Monitor System** – *B. Keil, R. Baldinger, R. Kramert, G. Marinkovic, P. Pollet, M. Roggli, M. Rohrer, V. Schlott, M. Stadler, D.M. Treyer (PSI) W. Decking, D. Lipka, D. Noelle, M. Siemens, T. Trauber, S. Vilcins (DESY) O. Napoly, C.S. Simon (CEA) J.-P. Prestel, N. Rouvière (IPN)*
- MOPE065 **Transverse Phase-space Beam Tomography at PSI and SNS Proton Accelerators** – *D. Reggiani, M. Seidel (PSI) C.K. Allen (ORNL)*
- MOPE066 **Application of BPM Data to Locate Orbit Noise Source** – *P.C. Chiu, J. Chen, K.T. Hsu, K.H. Hu, C.H. Kuo (NSRRC)*
- MOPE067 **Commissioning of the Photo Detachment Laser Wire at the Rutherford Front End Test Stand FETS** – *C. Gabor (STFC/RAL/ASTeC) D.A. Lee (Imperial College of Science and Technology, Department of Physics) A.P. Letchford (STFC/RAL/ISIS) J.K. Pozimski (STFC/RAL)*
- MOPE068 **Diagnostic System Commissioning of the EMMA NS-FFAG Facility at Daresbury Laboratory** – *A. Kalinin, P.A. McIntosh, R.J. Smith (STFC/DL/ASTeC)*
- MOPE069 **A 2-D Laser-wire Scanner at PETRA-III** – *T. Aumeyr, G.A. Blair, S.T. Boogert, G.E. Boorman, A. Bosco (JAI) K. Balewski, E. Elsen, V. Gharibyan, G. Kube, S. Schreiber, K. Wittenburg (DESY)*

- MOPE070 **ATF2 Cavity Beam Position Monitor System** – S.T. Boogert, G.E. Boorman (JAI) R. Ainsworth, S. Molloy (Royal Holloway, University of London) A.S. Aryshev, Y. Honda, T. Tauchi, N. Terunuma, J. Urakawa (KEK) J.C. Frisch, J. May, D.J. McCormick, T.J. Smith, G.R. White, M. Woodley (SLAC) A. Heo, E.-S. Kim, H.-S. Kim, Y.I. Kim (Kyungpook National University) A. Lyapin (UCL) H.K. Park (KNU) M.C. Ross (Fermilab) S. Shin (PLS)
- MOPE071 **Coherent Diffraction Radiation Longitudinal Beam Profile Monitor for CTF3** – M. Micheler, R. Ainsworth, G.A. Blair, G.E. Boorman, V. Karataev, K. Lekomtsev (JAI) R. Corsini, T. Lefevre (CERN)
- MOPE072 **Electron Beam Quality Measurements on the ALPHA-X Laser-plasma Wakefield Accelerator** – G.H. Welsh, M.P. Anania, C. Aniculaesei, E. Brunetti, R.T.L. Burgess, S. Cipiccia, D. Clark, B. Ersfeld, M.R. Islam, R.C. Issac, D.A. Jaroszynski, G.G. Manahan, T. McCanny, G. Raj, A. J. W. Reitsma, R.P. Shanks, G. Vieux, S.M. Wiggins (USTRAT/SUPA) W.A. Gillespie (University of Dundee) M.J. Loos, S.B. van der Geer (TUE) A. MacLeod (UAD)
- MOPE073 **Optimization Studies of Planar Supersonic Gas-jets for Beam Profile Monitor Applications** – M. Putignano (The University of Liverpool) K.-U. Kuehnel, M. Putignano (MPI-K) C.P. Welsch (Cockcroft Institute)
- MOPE074 **Development of a Fast, Single-pass, Micron-resolution Beam Position Monitor Signal Processor: Beam Test Results from ATF2** – P. Burrows, R. Apsimon, D.R. Bett, G.B. Christian, B. Constance, H. Dabiri Khah, C. Perry, J. Resta-López, C. Swinson (JAI)
- MOPE075 **Single Shot Transverse Emittance Measurement using Extended Pepper-pot in the DIAMOND Booster to Storage Ring Transfer Line** – N. Delerue (JAI) S.I. Bajlekov (University of Oxford, Clarendon Laboratory) R. Bartolini, C. Christou, A.F.D. Morgan, G. Rehm, C.A. Thomas (Diamond)
- MOPE076 **Longitudinal Bunch Profile Diagnostics in the 50-femtoseconds Range using Coherent Smith-Purcell Radiation** – N. Delerue, G. Doucas, E. Maclean, A. Reichold (JAI)
- MOPE077 **Transverse Emittance Measurement of a H⁻ Beam at the CERN Linac 4 Test Stand using a Pepper-pot** – N. Delerue, P. Jackson (JAI) O. Midttun, R. Scrivens, E. Tsesmelis (CERN)
- MOPE078 **Transverse Emittance Measurement at High Energy using Extended Pepper-pot** – N. Delerue (JAI)
- MOPE079 **The MICE PID Detector System** – M.A. Rayner (OXFORD-physics) M. Bonesini (INFN MIB)
- MOPE080 **Single Shot Emittance Measurement from Beam Size Measurement in a Drift Section** – C.A. Thomas, C. Christou, A.F.D. Morgan, G. Rehm (Diamond) R. Bartolini, N. Delerue (JAI)

- MOPE081 **Performance of a Streak Camera using Reflective Input Optics** – C.A. Thomas, G. Rehm (Diamond) I.P.S. Martin (JAI)
- MOPE082 **Off-the-shelf EPICS Instrumentation for Remote Waveform Monitoring & Analysis** – L. Shaw (ZTEC Instruments)
- MOPE083 **Comparative Measurements of Libera Brilliance and BSP100*** – S. Xu, H. Bui, G. Decker, R. Laird, F. Lenkszus, H. Shang (ANL)
- MOPE084 **Tune Evaluation from Phased BPM Turn-by-turn Data** – Y. Alexahin, E. Gianfelice-Wendt, W.L. Marsh (Fermilab)
- MOPE085 **Rapid-cycling Synchrotron with Variable Momentum Compaction** – Y. Alexahin (Fermilab) D.J. Summers (UMiss)
- MOPE086 **Updated Electron Cloud Measurements in the Fermilab Main Injector using Microwave Transmission** – N. Eddy, J.L. Crisp, I. Kourbanis, K. Seiya, J.C.T. Thangaraj, M. Wendt, R.M. Zwaska (Fermilab)
- MOPE087 **Submicron Multi-bunch BPM for CLIC** – A. Lunin, N. Solyak, M. Wendt, V.P. Yakovlev (Fermilab) H. Schmickler, L. Soby (CERN)
- MOPE088 **TE Wave Measurements of the Electron Cloud in the CEsR-TA Synchrotron Ring** – S. De Santis (LBNL) M.G. Billing, M.A. Palmer, J.P. Sikora (CLASSE) B.T. Carlson (Grove City College)
- MOPE089 **CESR Beam Position Monitor System Upgrade for CEsR-TA and CHESS Operations** – M.A. Palmer, M.G. Billing, R.E. Meller, M.C. Rendina, N.T. Rider, C.R. Strohman (CLASSE) R. Holtzapple (CalPoly)
- MOPE090 **CesrTA x-Ray Beam Size Monitor Operation** – D.P. Peterson, J.P. Alexander, C.J. Conolly, N. Eggert, E. Fontes, W.H. Hopkins, B. Kreis, A. Lyndaker, M.P. McDonald, M.A. Palmer, M.C. Rendina, P. Revesz, N.T. Rider, J.J. Savino, R.D. Seeley (CLASSE) J.W. Flanagan (KEK)
- MOPE091 **Techniques for Observation of Beam Dynamics in the Presence of an Electron Cloud** – M.G. Billing, G. Dugan, R.E. Meller, M.A. Palmer, M.C. Rendina, N.T. Rider, J.P. Sikora, C.R. Strohman (CLASSE) R. Holtzapple (CalPoly)
- MOPE092 **Ultrashort Bunch Length Diagnostic with Sub-femtosecond Resolution** – G. Andonian (RadiaBeam) G. Andonian, E. Hemsing, P. Musumeci, J.B. Rosenzweig, S. Tochitsky (UCLA)
- MOPE093 **A High Resolution Transverse Diagnostic based on Fiber Optics** – R.B. Agustsson, G. Andonian, A.Y. Murokh, R. Tikhoplav (RadiaBeam)
- MOPE094 **X-band Travelling Wave Deflector for Ultra-fast Beams Diagnostics** – L. Faillace, R.B. Agustsson, A.Y. Murokh, E. Spranza (RadiaBeam) D. Alesini (INFN/LNF) J.B. Rosenzweig (UCLA)

- MOPE095 **A 10 MHz Pulsed Laser Wire Scanner for Energy Recovery Linacs** – *A.Y. Murokh, M. Ruelas, R. Tikhoplav (Radiation Beam) E. Pozdeyev (BNL)*
- MOPE096 **Progress Report on the Development of the Real Time Interferometer for Bunch Length Determination** – *G. Andonian, A.Y. Murokh, M. Ruelas, R. Tikhoplav (Radiation Beam) D. Dooley (Spectrum Detector) U. Happek (UGA) S. Reiche (PSI)*
- MOPE097 **Characterization of Slow Orbit Motion in the SPEAR3 Storage Ring** – *N. Sunilkumar (USC) J.A. Safranek (SLAC)*
- MOPE098 **Tomographic Measurement of Electron Beam Longitudinal Phase Space** – *D. Xiang, E.R. Colby, M.P. Dunning, C. Hast, R.K. Jobe, D.J. McCormick, J. Nelson, S.P. Weathersby, M. Woodley (SLAC)*
- MOPE099 **A Compact Electro Optical Bunch Length Monitoring System - First Results at PSI** – *F. Mueller, V. Schlott, B. Steffen (PSI) P. Chevtsov (JLAB)*
contribution withdrawn
- MOPE100 **The Straightness Monitor System at ATF2** – *M.D. Hildreth (University of Notre Dame) A.S. Aryshev (Royal Holloway, University of London) S.T. Boogert (JAI) Y. Honda, T. Tauchi, N. Terunuma (KEK) G.R. White (SLAC)*
- MOPE101 **Parasitic Profile Measurement of 1 MW Neutron Production Beam at SNS Superconducting Linac** – *Y. Liu, A.V. Aleksandrov, C.D. Long (ORNL)*
- MOPE102 **Charged Particle Beam Imaging System** – *B.N. Laprade, V.J. Grib, W.C. Netolicky (PHOTONIS) R. Connolly (BNL)*
- MOPE103 **RHIC Spin Flipper Commissioning Status** – *M. Bai, W.C. Dawson, A.U. Luccio, Y. Makdisi, S. Nayak, P. Oddo, C. Pai, P.H. Pile, T. Roser (BNL) F. Meot (CEA)*
- MOPE104 **Residual Gas X-ray Beam Position Monitor for PETRA III** – *P. Ilinski (BNL) U. Hahn, H. Schulte-Schrepping (DESY)*

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| 25-May-10 | 16:00 – 18:00 | Poster | Event Hall, Poster Area A |
| TUPEA — Poster Session | | | |

- TUPEA001 **Electron Distribution Properties in Thermionic Diodes** – *R. Pakter, Y. Levin, E.B. Rizzato (IF-UFRGS)*
- TUPEA002 **The Influences of Initially Induced Inhomogeneity over the Dynamics of Mismatched Intense Charged Beams** – *R.P. Nunes (UFPEL) E.B. Rizzato (IF-UFRGS)*
- TUPEA003 **A Particle-core Model for Mismatched and Inhomogeneous Intense Charged Particle Beams** – *R.P. Nunes (UFPEL) E.B. Rizzato (IF-UFRGS)*
- TUPEA004 **Start-to-end Beam Dynamics Simulations for the Prototype Accelerator of the IFMIF/EVEDA Project** – *N. Chauvin, O. Delferriere, R.D. Duperrier, R. Gobin, A. Mosnier, P.A.P. Nghiem, D. Uriot (CEA) M. Comunian (INFN/LNL) C. Oliver (CIEMAT)*
- TUPEA005 **Development of PteqHI** – *J.M. Maus, R.A. Jameson, A. Schempp (IAP)*
contribution withdrawn

- TUPEA006 **Mismatch Induced Oscillations of Space Charge Dominated Beams under Smooth Focusing Approximation** – H. Higaki, S. Fujimoto, K. Fukata (Hiroshima University) J. Aoki (Osaka University, Graduate School of Science) K. Ito, M. Kuriki, H. Okamoto (HU/AdSM)
- TUPEA007 **S-POD Experiments of Space-Charge-Dominated Beam Resonances** – H. Okamoto, K. Ito, H. Sugimoto (HU/AdSM) H. Higaki (Hiroshima University) S.M. Lund (LLNL)
- TUPEA008 **An Ultra-low Emittance Design of ERL Injector** – J. Yamazaki, A. Enomoto, Y. Kamiya (KEK)
- TUPEA009 **Effects of Wakefield in PLS-II LINAC** – S.Y. Lee, E.-S. Kim (Kyungpook National University)
- TUPEA010 **Estimations of Impedances in PLS-II Storage Ring** – S.Y. Lee, J.G. Hwang, E.-S. Kim, H.J. Kim (Kyungpook National University)
- TUPEA011 **Neutralized Ion Beam Dynamics Study in UNDULAC-E** – A.V. Voronkov, E.S. Masunov, S.M. Polozov (MEPhI)
- TUPEA012 **Beam Loading Effect of High Current Trawling Wave Accelerator Dynamic Study** – A.V. Voronkov, E.S. Masunov, S.M. Polozov, V.I. Rashchikov (MEPhI)
- TUPEA013 **New Approach to Optimization of RFQ Radial Matching Section** – D.A. Ovsyannikov, A.D. Ovsyannikov (St. Petersburg State University)
- TUPEA014 **Alignment and Magnet Error Tolerances for the High Energy Beam Transport Line for the IFMIF-EVEDA Accelerator** – C. Oliver, B. Brañas, A. Ibarra (CIEMAT) A. Mosnier, P.A.P. Nghiem (CEA)
- TUPEA015 **Focusing of an Ultrashort Electron Beam for Head-on Inverse Compton X-ray Experiment** – N.Y. Huang, S.S. Yang (NTHU) H. Hama (Tohoku University, School of Science) W.K. Lau (NSRRC)
- TUPEA016 **Computer Simulation of Transient Self-consistent Dynamics of Intense Short-pulsed Electron Beams in RF Linac** – A. Opanasenko, V.V. Mytrochenko, S.A. Perezhogin (NSC/KIPT)
- TUPEA017 **Transient Beam Loading Compensation at RF Acceleration of Intense Short-pulsed Electron Beams** – A. Opanasenko (NSC/KIPT)
- TUPEA018 **Analysis of Dynamics of Intensive Electron Beam in Disk-loaded Waveguide with Variable Phase Velocity** – A. Opanasenko, V.S. Kovalenko, K. Kramarenko, V.A. Kushnir, V.V. Mytrochenko, Z.V. Zhiglo, A. I. Zykov (NSC/KIPT)
- TUPEA019 **Potential Profiles of 2D Circular and Elliptical Charge Distributions Concentric to a Conducting Ring** – M. Aslaninejad (Imperial College of Science and Technology, Department of Physics) K. Haghghi mood (PPRC)
- TUPEA020 **Longitudinal and Transverse Effects of HOMs in the Project-X Linac** – V.P. Yakovlev, N. Solyak, A. Vostrikov (Fermilab)
- TUPEA021 **Longitudinal Drift Compression of Intense Charged Particle Beams** – E. Startsev, R.C. Davidson (PPPL)

- TUPEA022 **Simulations of the Full Impact of the LHC Beam on Solid Copper and Graphite Targets** – N.A. Tahir (GSI) V.E. Fortov, I. Lomonosov, A. Shutov (IPCP) R. Piriz (Universidad de Castilla-La Mancha) R. Schmidt (CERN)
- TUPEA023 **The Design of Beam Abort System for the Super KEKB** – T. Mimashi, N. Iida, M. Kikuchi (KEK) K. Abe (Hitachi Haramachi Electronics Co. Ltd.) K. Iwamoto (KFG) A. Sasagawa (KYOCERA Corporation) A. Tokuchi (Pulsed Power Japan Laboratory Ltd.)
- TUPEA024 **The Basic Thermal Analysis of Beamline Cooling Components for the PLS-II Heat Load** – K.H. Gil, J.Y. Huang, H.Y. Kim, J.H. Lim (PAL)
- TUPEA025 **Design and Thermo-mechanical Analysis of a High Heat Load Photon Absorber in PLS-II** – T. Ha, C.D. Park (PAL) A. Sheng (NSRRC)
- TUPEA026 **High Reliability Design using Programmable Logic Devices applied to the Machine Interlock Systems of the LHC and SPS at CERN** – M. Kwiatkowski, A. Castaneda, B. Puccio, I. Romera, B. Todd (CERN)
- TUPEA027 **Interlocks for the LHC Magnet Powering System and Beam Operation** – I. Romera, A. Castaneda, P. Dahlen, B. Puccio, B. Todd, M. Zerlauth (CERN)
- TUPEA028 **Beam Stop Design Methodology and Considerations for a New SNS Momentum Beam Stop** – Y. Polsky (ORNL)
- TUPEA029 **Synchronized Clock System for Acceleration Pattern Generation and its Beam Tests in HIMAC Synchrotron** – M. Kanazawa (NIRS)
- TUPEA030 **Transmission of Reference RF Signals through Optical Fiber at XFEL/SPring-8** – T. Ohshima, N. Hosoda, H. Maesaka, S.M. Matsubara, Y. Otake (RIKEN/SPring-8)
- TUPEA031 **Synchronization and Control System for Tsinghua Thomson Scattering X-ray Source** – D. Qiang, Y.-C. Du, W.-H. Huang, C.-X. Tang, L.X. Yan (TUB)
- TUPEA032 **A New Timing System: the Real-time Synchronized Data Bus** – M. Liu, D.K. Liu, C.X. Yin, L.Y. Zhao (SINAP)
- TUPEA033 **Stable Transmission of RF Signals on Optical Fiber Links** – J.M. Byrd, L.R. Doolittle, G. Huang, J.W. Staples, R.B. Wilcox (LBNL)
- TUPEA034 **Laser Recycler Using An Asymmetrical Con-focal Cavity** – I. Yamane (KEK) M. Nakamura, H. Okuno (RIKEN Nishina Center)
- TUPEA035 **Drive Laser and Optical Transport Line for Photoinjector** – Z.G. He, Q.K. Jia, X.E. Wang (USTC/NSRL)
- TUPEA036 **Laser Systems for Inverse Compton Scattering Gamma-ray Source for Photofission** – I. Jovanovic, Y. Yin (Purdue University) S. Boucher, R. Tikhoplav (RadiaBeam) G. Travish (UCLA)
- TUPEA037 **Dual Harmonic Operation at SIS18** – K.-P. Ningel, P. Hülsmann, H. Klingbeil, U. Laier, C. Thielmann, B. Zipfel (GSI)

- TUPEA038 **A Digital Baseband Low Level RF Control for the P-linac Test Stand at GSI** – R. Eichhorn, A. Araz, U. Bonnes, F. Hug, M. Konrad (TU Darmstadt) G. Schreiber, W. Vinzenz (GSI) R. Stassen (FZJ)
- TUPEA039 **Optimization of Filling Procedure for TESLA-type Cavities for Klystron RF Power Minimization of European XFEL** – V. Ayvazyan, S. Choroba, Z. Geng, G. Petrosyan, S. Simrock, V. Vogel (DESY)
- TUPEA040 **Piezo Control for Compensation of Lorenz Force Detuning in SC Cavities** – M.K. Grecki (DESY) T. Pozniak, K.P. Przygoda (TUL-DMCS) *contribution withdrawn*
- TUPEA041 **Drift Calibration Techniques for Future FELs** – F. Ludwig, C. Gerth, K.E. Hacker, M. Hoffmann, G. Moeller, P. Morozov, Ch. Schmidt (DESY) W. Jalmuzna (TUL-DMCS)
- TUPEA042 **Recent LLRF Measurements of the 3rd Harmonic System for FLASH** – M.G. Hoffmann, M. Hoffmann, F. Ludwig, P. Morozov, Ch. Schmidt (DESY)
- TUPEA043 **Phase Modulator Programming to Get Flat Pulses with Desired Length and Power from the CTF3 Pulse Compressors** – H. Shaker (IPM) R. Corsini, H. Shaker, P.K. Skowronski, I. Syratchev, F. Tecker (CERN)
- TUPEA044 **Piezoelectric Actuators Control Unit** – A. Gennai, F. Bedeschi, S. Galeotti, C. Magazzu, F. Paoletti, E. Pedreschi, F. Spinella (INFN-Pisa) D. Passuello (University of Pisa and INFN)
- TUPEA045 **Local Control of Piezoelectric Actuators** – F. Spinella, F. Bedeschi, S. Galeotti, A. Gennai, E. Pedreschi (INFN-Pisa) D. Passuello (University of Pisa and INFN)
- TUPEA046 **LLRF Controller Upgrade for the J-PARC 400 MeV LINAC** – Z. Fang, S. Anami, Y. Fukui, M. Kawamura, C. Kubota, S. Michizono, F. Naito, K. Nanmo, S. Yamaguchi (KEK) H. Asano, K. Hasegawa, T. Itou, T. Kobayashi, S. Shinozaki, N. Tsubota (JAEA/J-PARC) E. Chishiro, H. Suzuki (JAEA)
- TUPEA047 **Digital LLRF System for STF Global S1** – S. Michizono, H. Katagiri, T. Matsumoto, T. Miura, Y. Yano (KEK)
- TUPEA048 **Low Level RF System of cERL** – T. Miura, A. Akiyama, D.A. Arakawa, S. Fukuda, H. Katagiri, T. Matsumoto, S. Michizono, Y. Yano (KEK)
- TUPEA049 **Phase and Amplitude Modulation of the RF Pulse of an Electron Linac for the High Quality Beam** – M. Morio, K. Furuhashi, G. Ioyama, S. Kashiwagi, R. Kato, S. Suemine, N. Sugimoto, Y. Terasawa (ISIR)
- TUPEA050 **Dual-harmonic Phase Control in the J-PARC RCS** – F. Tamura, M. Nomura, A. Schnase, T. Shimada, H. Suzuki, M. Yamamoto (JAEA/J-PARC) K. Hara, C. Ohmori, M. Tada, M. Yoshii (KEK/JAEA) K. Hasegawa (KEK)
- TUPEA051 **Application of Digital Narrow Band Noise to J-PARC Main Ring** – A. Schnase, K. Hasegawa, M. Nomura, T. Shimada, H. Suzuki, F. Tamura, M. Yamamoto (JAEA/J-PARC) K. Hara, C. Ohmori, M. Tada, M. Yoshii (KEK/JAEA) T. Koseki, T. Toyama (J-PARC, KEK & JAEA) M. Tomizawa (KEK)

- TUPEA052 **Operation Status of DLLRF System in the Storage Ring of SSRF** – X. Zheng, H.T. Hou, J.F. Liu, C. Luo, Zh.G. Zhang, S.J. Zhao (SINAP) Z.Q. Feng, Z. Li, D.Q. Mao, Y.B. Zhao, X. Zheng (Shanghai KEY Laboratory of Cryogenics & Superconducting RF Technology)
- TUPEA053 **Piezo Control for Lorenz Force Detuned SC Cavities of DESY FLASH** – K.P. Przygoda, A. Napieralski, T. Pozniak (TUL-DMCS) M.K. Grecki (DESY)
- TUPEA054 **Libera LLRF - Development and Tests** – A. Kosicek, G. Jug (I-Tech)
- TUPEA055 **Design and Implementation of a Pulsed Digital LLRF System for the RAL Front End Test Stand** – H. Hassan-zadegan, N. Garmendia (ESS Bilbao) E.J. Bermejo (Bilbao, Faculty of Science and Technology) V. Etxebarria (University of the Basque Country, Faculty of Science and Technology) D.J.S. Findlay, A.P. Letchford (STFC/RAL/ISIS)
- TUPEA056 **CERN's PS Booster LLRF Renovation: Plans and Initial Beam Tests** – M. E. Angoletta, A. Blas, A.C. Butterworth, A. Findlay, P.M. Leinonen, J.C. Molendijk, F. Pedersen, J. Sanchez-Quesada, M. Schokker (CERN)
- TUPEA057 **CERN's LEIR Digital LLRF: System Overview and Operational Experience** – M. E. Angoletta, J. Bento, A. Blas, E. Bracke, A.C. Butterworth, F. Dubouchet, A. Findlay, F. Pedersen, J. Sanchez-Quesada (CERN)
- TUPEA058 **The EMMA LLRF System and its Synchronization with ALICE** – A.J. Moss, S.P. Jamison, P.A. McIntosh (STFC/DL/ASTeC) B.B. Baricevic (I-Tech)
- TUPEA059 **Latest Results on Cavity Gradient and Input RF Stability at FLASH/TTF** – S. Pei, C. Adolphsen (SLAC) J. Carwardine (ANL) N.J. Walker (DESY)
- TUPEA060 **A Compact X-band Linac for an X-ray FEL** – K.L.F. Bane, C. Adolphsen, Z. Huang, Z. Li, C.D. Nantista, F. Wang, F. Zhou (SLAC)
- TUPEA061 **LLRF System Upgrade for the SLAC Linac** – B. Hong, R. Akre, V. Pacak (SLAC)
- TUPEA062 **LLRF and RF System Models for the LHC with Application to Longitudinal Dynamics Effects** – T. Mastorides, J.D. Fox, C.H. Rivetta, D. Van Winkle (SLAC) P. Baudreghien (CERN)
- TUPEA063 **Commissioning of the LHC Low Level RF System Remote Configuration Tools** – D. Van Winkle, J.D. Fox, T. Mastorides, C.H. Rivetta (SLAC) P. Baudreghien, A.C. Butterworth, J.C. Molendijk (CERN)
- TUPEA064 **A 50 mA Deuteron ECR Ion Source for the PKUNIFY Project** – H.T. Ren, Q.F. Zhou (PKU/IHIP)
- TUPEA065 **Analyze of the CSNS Step Like Field Magnet in Different Temperature Fields** – Z.T. Lu, G. Feng, H. Hao, X.Q. Wang (USTC/NSRL) J. Tang (IHEP Beijing)
- TUPEA066 **LANSCE Decadal Plans** – K. Schoenberg (LANL)

- TUPEA067 **Preliminary Ground Motion Measurements at LNF Site for the Super B Project** – *B. Bolzon, L. Brunetti, A. Jeremie (IN2P3-LAPP) M. Esposito, U. Rotundo, S. Tomassini (INFN/LNF)*
- TUPEA068 **3D Visualization, Simulation and Virtual Reality in Accelerator Development** – *L. Hagge, N. Bergel, A. Herz, J. Kreuzkamp, V. Rupprecht, S. Suehl, N. Welle (DESY)*
- TUPEA069 **Thermionic Electron Gun Development for the 10 MeV RF Linacs** – *D. Bhattacharjee, S. Chandan, R.B. Chavan, K. Dixit, K.C. Mittal, R. Tiwari, V. Yadav (BARC-EBC) D.P. Chakravarthy, A.R. Chindarkar, L.M. Gantayet, S.R. Ghodke, D. Jayaprakash, A.R. Tillu (BARC)*
- TUPEA070 **ECHARM - a Software for Calculation of Physical Quantities of Interest in Coherent Interaction of Relativistic Particles with Crystals** – *E. Bagli (INFN-Ferrara) V. Guidi (UNIFE) V.A. Maishev (IHEP Protvino)*
- TUPEA071 **New Crystalline Materials for High Energy Channeling for the UA9 Collaboration** – *E. Bagli (INFN-Ferrara) S. Baricordi, P. Dalpiaz, V. Guidi, G. Martinelli, A. Mazzolari, D. Vincenzi (UNIFE)*
- TUPEA072 **Silicon Crystal Suited for Manipulation of Low Energy Charged-particle Beams by Coherent Interactions** – *A. Mazzolari (UNIFE) A. Carnera, D. De Salvador (Univ. degli Studi di Padova) V. Guidi (INFN-Ferrara)*
- TUPEA073 **Status of Precise Temperature Regulation System for C-band Accelerator in XFEL/SPring-8** – *T. Hasegawa, T. Inagaki, Y. Otake, T. Sakurai (RIKEN/SPring-8) S. Takahashi (JASRI/SPring-8)*
- TUPEA074 **Kanthal Alloy based S-Band Collinear Load R&D for Linear Accelerators** – *Y. Sun, L.G. Shen, Z. Shu, X.C. Wang (USTC/PMPI) Y.J. Pei (USTC/NSRL)*
- TUPEA075 **Electromagnetic Parameters Study of Microwave-absorbing Material Fe-Si-Al for Collinear Load by Coaxial Transmission-reflection Method** – *X.C. Wang, L.G. Shen, Z. Shu, Y. Sun (USTC/PMPI) Y.J. Pei (USTC/NSRL)*
- TUPEA076 **Evaluation of Electron Cloud Density of Coated and Uncoated Sections in the CERN SPS by Means of the Microwave Transmission Method** – *F. Caspers, S. Federmann, E. Mahner, P.C. Pinto, D. Seebacher, M. Taborelli (CERN) B. Salvant (EPFL) C. Yin Vallgren (Chalmers University of Technology, Chalmers Tekniska Högskola)*
- TUPEA077 **Low Secondary Electron Yield by means of Surface Magnetisation** – *I. Montero, L.S. Aguilera (CSIC) F. Caspers (CERN) L. Galan (UAM) D. Raboso (ESA-ESTEC)*
- TUPEA078 **Electron Injection to Circular Accelerator using Laser Wakefield Acceleration** – *Ya. V. Getmanov, O.A. Shevchenko (BINP SB RAS) N. Vinokurov (NSU)*
- TUPEA079 **Design of TPS Crotch Absorber** – *A. Sheng, J.-R. Chen, Y.T. Cheng, G.-Y. Hsiung, C.K. Kuan, C.Y. Yang (NSRRC)*

- TUPEA080 **Upgrade Design and Engineering of RSS Beam Plugs contribution withdrawn** – Z.C. Chen, M.J. Borden, D.C. Bruhn, C.A. Chapman, A.C. Naranjo, J. Witt (LANL)
- TUPEA081 **RF Tests of Absorber Materials at Cryogenic Temperatures** – F. Marhauser, T.S. Elliott, R.A. Rimmer (JLAB) E.P. Chojnacki (CLASSE)
- TUPEA082 **Versatile Device for In-situ Discharge Cleaning and Multiple Coatings of Long, Small Diameter Tubes** – A. Hershcovitch, M. Blaskiewicz, J.M. Brennan, W. Fischer, C.J. Liaw, W. Meng (BNL) A.X. Custer, M.Y. Erickson, N.Z. Jamshidi, H.J. Poole (PVI) N. Sochugov (Institute of High Current Electronics)

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| 25-May-10 | 16:00 – 18:00 | Poster | Event Hall, Poster Area B |
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| TUPEB — Poster Session | | | |
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- TUPEB001 **Lattice Design Studies regarding the Super-B Project** – F. Meot (CEA) N. Monseu (LPSC)
- TUPEB002 **Design, Test and First Experimental Results of the Clearing Electrodes for E-cloud Mitigation in the e⁺ DAΦNE Ring** – D. Alesini, A. Battisti, O. Coiro, T. Demma, S. Guiducci, V. Lollo, P. Raimondi, M. Serio, R.S. Sorchetti, M. Zobov (INFN/LNF)
- TUPEB003 **The SuperB Project Accelerator Status** – M.E. Biagini, D. Alesini, R. Boni, M. Boscolo, T. Demma, A. Drago, M. Esposito, S. Guiducci, F. Marcellini, G. Mazzitelli, L. Pellegrino, M.A. Preger, P. Raimondi, R. Ricci, U. Rotundo, C. Sanelli, M. Serio, F. Sgamma, A. Stecchi, A. Stella, S. Tomassini, M. Zobov (INFN/LNF) M.A. Baylac, J.-M. De Conto, Y. Gomez-Martinez, N. Monseu, D. Tourres (LPSC) K.J. Bertsche, A. Brachmann, Y. Cai, A. Chao, M.H. Donald, A.S. Fisher, D. Kharakh, A. Krasnykh, N. Li, D.B. MacFarlane, Y. Nosochkov, A. Novokhatski, M.T.F. Pivi, J. Seeman, M.K. Sullivan, A.W. Weidemann, J. Weisend, U. Wienands, W. Wittmer, G. Yocky, A.C. de Lira (SLAC) S. Bettoni (CERN) A.V. Bogomyagkov, S.E. Karnaeu, I. Koop, E.B. Levichev, S.A. Nikitin, I.B. Nikolaev, I.N. Okunev, P.A. Piminov, D.N. Shatilov, S.V. Sinyatkin, V.V. Smaluk, P. Vobly (BINP SB RAS) B. Bolzon, L. Brunetti, A. Jeremie (IN2P3-LAPP) J. Bonis, G. Le Meur, B.M. Mercier, F. Poirier, C. Prevost, C. Rimbault, F. Touze, A. Variola (LAL) F. Bosi (INFN-Pisa) A. Chancé, F. Meot, O. Napoly (CEA) R. Chehab (IN2P3 IPNL) E. Paoloni (University of Pisa and INFN)
- TUPEB004 **Super-B Lattice Studies** – Y. Nosochkov, W. Wittmer (SLAC) M.E. Biagini, P. Raimondi (INFN/LNF) P.A. Piminov, S.V. Sinyatkin (BINP SB RAS)
- TUPEB005 **High Luminosity Interaction Region Design for Collisions with Detector Solenoid** – C. Milardi, M.A. Preger, P. Raimondi, G. Sensolini, F. Sgamma (INFN/LNF)
- TUPEB006 **DAΦNE Developments for the KLO-10⁻² Experimental Run** – C. Milardi, D. Alesini, M.E. Biagini, C. Biscari, R. Boni, M. Boscolo, F. Bossi, B. Buonomo, A. Clozza, G.O. Delle Monache, T. Demma, E. Di Pasquale, G. Di

Pirro, A. Drago, M. Esposito, A. Gallo, A. Ghigo, S. Guiducci, C. Ligi, F. Marcellini, G. Mazzitelli, F. Murtas, L. Pellegrino, M.A. Preger, L. Quintieri, P. Raimondi, R. Ricci, U. Rotundo, C. Sanelli, M. Serio, F. Sgamma, B. Spataro, A. Stecchi, A. Stella, S. Tomassini, C. Vaccarezza, M. Zobov (INFN/LNF) N. Arnaud, D. Breton, L. Burmistrov, A. Stocchi, A. Variola, B.F. Viaud (LAL) S. Bettoni (CERN) P. Branchini (roma3) E.B. Levichev, S.A. Nikitin, P.A. Piminov, D.N. Shatilov (BINP SB RAS) K. Ohmi (KEK) V.V. Smaluk (BINP) P. Valente (INFN-Roma)

- TUPEB007 **Low Emittance Tuning Studies for SuperB** – S.M. Liuzzo (University of Pisa and INFN) M.E. Biagini, P. Raimondi (INFN/LNF) M.H. Donald (SLAC)
- TUPEB008 **Design of SuperKEKB based on the Nano-beam Scheme** – H. Koiso (KEK)
- TUPEB009 **Installation of Skew Sextupole Magnets at KEKB** – M. Masuzawa, K. Egawa, T. Kawamoto, Y. Ohsawa, T. Sueno, N. Tokuda (KEK)
- TUPEB010 **SuperKEKB LER Lattice Design and Machine Error Simulation** – A. Morita, H. Koiso, Y. Ohnishi, K. Oide (KEK)
- TUPEB011 **KEKB Superconducting Accelerating Cavities and Beam Studies for Super-KEKB** – Y. Morita, K. Akai, T. Furuya, A. Kabe, S. Mitsunobu, M. Nishiwaki, S. Takano (KEK)
- TUPEB012 **Optics Measurement at the Interaction Point using Nearby Position Monitors** – K. Ohmi (KEK)
- TUPEB013 **Strong-strong Simulation for Super B Factories** – K. Ohmi (KEK)
- TUPEB014 **Electron Cloud Instability in Low Emittance Rings** – K. Ohmi (KEK)
- TUPEB015 **Simulation of Electron Gun using GPU** – K. Ohmi (KEK)
- TUPEB016 **Optics Design in Nano-Beam Scheme for KEKB Upgrade** – Y. Ohnishi, K. Akai, K. Egawa, H. Fukuma, Y. Funakoshi, N. Iida, T. Kamitani, M. Kikuchi, H. Koiso, M. Masuzawa, A. Morita, Y. Ogawa, K. Ohmi, N. Ohuchi, K. Oide, Y. Suet-sugu, M. Tawada (KEK) P. Raimondi (INFN/LNF)
- TUPEB017 **Effect of X-Y Coupling and its Chromaticity in SuperKEKB** – D.M. Zhou, K. Ohmi (KEK)
- TUPEB018 **Coherent Synchrotron Radiation in the KEKB Low Energy Ring** – D.M. Zhou, K. Ohmi (KEK)
- TUPEB019 **Evaluation of the Detector BG for SuperKEKB** – M. Iwasaki, H. Aihara, C. Ng (University of Tokyo) Y. Funakoshi, H. Koiso, Y. Ohnishi (KEK) H. Nakano, H. Yamamoto (Tohoku University, Graduate School of Science)
- TUPEB020 **Beam Dynamic Issues in the BEPCII Luminosity Commissioning** – Q. Qin, N. Huang, D. Ji, Y. Jiao, Y.D. Liu, Y.M. Peng, D. Wang, J.Q. Wang, N. Wang, X.H. Wang, Y. Wei, X.M. Wen, J. Xing, G. Xu, C.H. Yu, C. Zhang, Y. Zhang (IHEP Beijing)
- TUPEB021 **Conceptual Design of the Muon Collider Ring Lattice** – Y. Alexahin, E. Gianfelice-Wendt, A.V. Netepenko (Fermilab)

- TUPEB022 **Muon Collider Interaction Region Design** – *Y. Alexahin, E. Gianfelice-Wendt, V. Kashikhin, N.V. Mokhov, A.V. Zlobin (Fermilab) V.Yu. Alexakhin (JINR)*
- TUPEB023 **High Gradient Final Focusing Quadrupole for a Muon Collider** – *S.A. Kahn, G. Flanagan, R.P. Johnson (Muons, Inc) R.C. Gupta, R. B. Palmer (BNL)*
- TUPEB024 **Solenoid Compensation for the SuperB Interaction Region** – *K.J. Bertsche (SLAC)*
- TUPEB025 **A Design for a Polarimeter for the Super-B Collider** – *M.K. Sullivan, K. C. Moffeit, Y. Nosochkov, U. Wienands, W. Wittmer, M. Woods (SLAC)*
- TUPEB026 **Beam Fields and Energy Dissipation inside the Be Beam Pipe of the Super-B Detector** – *A. Novokhatski, M.K. Sullivan (SLAC)*
- TUPEB027 **A New Interaction Region Design for the Super-B Factory** – *M.K. Sullivan, K.J. Bertsche (SLAC) S. Bettoni (CERN) E. Paoloni (University of Pisa and INFN) P. Raimondi (INFN/LNF) P. Vobly (BINP SB RAS)*
- TUPEB028 **Algorithm for Computation of Electromagnetic Fields of an Accelerated Short Bunch inside a Rectangular Chamber** – *A. Novokhatski, M.K. Sullivan (SLAC)*
- TUPEB029 **Polarization in the SuperB Low Energy Ring** – *U. Wienands, K. C. Moffeit, Y. Nosochkov, W. Wittmer, M. Woods (SLAC) D.P. Barber (Cockcroft Institute) I. Koop, S.A. Nikitin, S.V. Sinyatkin (BINP SB RAS) P. Raimondi (INFN/LNF)*
- TUPEB030 **Frictional Cooling Demonstration Experiment** – *D.E. Greenwald (MPI für Physics)*
- TUPEB031 **Muon Collider Scheme based on Frictional Cooling** – *D.E. Greenwald (MPI für Physics)*
- TUPEB032 **Possibility of suppressing spontaneous undulator radiation** – *V. Litvinenko, V. Yakimenko (BNL)*
- TUPEB033 **Proof-of-Principle Experiment for FEL-based coherent electron cooling** – *V. Litvinenko, I. Ben-Zvi, J. Bengtsson, M. Blaskiewicz, A.V. Fedotov, Y. Hao, A. Kayran, G. Wang, S.D. Webb (BNL) G.I. Bell, D.L. Bruhwiler, B.T. Schwartz, A.V. Sobol (Tech-X) G.A. Krafft, R.A. Rimmer (JLAB)*
- TUPEB034 **Interaction Region Design for a Ring Ring Version of the LHeC Study** – *B.J. Holzer, S. Bettoni, O.S. Brüning, S. Russenschuck (CERN) R. Appleby (UMAN) J.B. Dainton, L.N.S. Thompson (Cockcroft Institute) M. Klein (The University of Liverpool) A. Kling, B. Nagorny, U. Schneekloth (DESY) P. Kostka (DESY Zeuthen) A. Polini (INFN-Bologna)*
- TUPEB035 **Simulations for Preliminary Design of Multi-Cathode DC Electron Gun for eRHIC** – *Q. Wu, I. Ben-Zvi, X. Chang, J. Skarita (BNL)*
- TUPEB036 **Tune Resonance Phenomena in the SPS and Machine Protection via Fast Position Interlocking** – *T. Baer, B. Araujo Meleiro, T.B. Bogey, J. Wenninger (CERN) T. Baer (DESY)*

- TUPEB037 **Interaction-Region Design Options for a Linac-Ring LHeC** – *F. Zimmermann, S. Bettoni, O.S. Brüning, B.J. Holzer, S. Russenschuck, R. Tomas (CERN) H. Aksakal (N.U) R. Appleby (UMAN) S. Chattopadhyay, M. Korostelev (Cockcroft Institute) A.K. Ciftci, R. Ciftci, K. Zengin (Ankara University, Faculty of Sciences) J.B. Dainton, M. Klein (The University of Liverpool) E. Eroglu, I. Tapan (UU) P. Kostka (DESY Zeuthen) E. Paoloni (University of Pisa and INFN) A. Polini (INFN-Bologna) U. Schneekloth (DESY)*
- TUPEB038 **Nonlinear Dynamics Induced by 1-D Model of Pinched Electron Cloud** – *G. Franchetti (GSI) F. Zimmermann (CERN)*
- TUPEB039 **RLA and ERL Designs for a Linac-Ring LHeC** – *F. Zimmermann, O.S. Brüning, J.A. Osborne, Y. Sun (CERN) C. Adolphsen (SLAC) S. Chattopadhyay (Cockcroft Institute) J.B. Dainton, M. Klein (The University of Liverpool) A.L. Eide (LPNHE)*
- TUPEB040 **Small Gap Magnet Prototype Measurements for eRHIC** – *Y. Hao, P. He, A.K. Jain, V. Litvinenko, G.J. Mahler, W. Meng, J.E. Tuozzolo (BNL)*
- TUPEB041 **Overview of Beam-beam Effects in eRHIC** – *Y. Hao, V. Litvinenko, V. Ptitsyn (BNL)*
- TUPEB042 **The Transverse Linac Optics Design in Multi-pass ERL** – *Y. Hao, J. Kewish, V. Litvinenko, E. Pozdeyev, V. Ptitsyn, D. Trbojevic, N. Tsoupas (BNL)*
- TUPEB043 **Deflecting Synchrotron Radiation from the Interaction Region of a Linac-Ring LHeC** – *A.K. Ciftci, R. Ciftci (Ankara University, Faculty of Sciences) F. Zimmermann (CERN)*
- TUPEB044 **ELIC Polarized Beam Manipulation** – *H. K. Sayed (CASA) S.A. Bogacz, P. Chevtsov (JLAB)*
- TUPEB045 **Chromaticity Correction up to Second Order for ELIC** – *H. K. Sayed (CASA) S.A. Bogacz, Y. Roblin (JLAB)*
- TUPEB046 **Design Studies of Interaction Region for a High Luminosity Electron-ion Collider at JLab** – *Y. Zhang, S.A. Bogacz, Y.S. Derbenev, M. Hutton, G.A. Krafft, Y. Roblin, H. K. Sayed, B.C. Yunn (JLAB) M.K. Sullivan (SLAC) B. Terzic (Thomas Jefferson National Accelerator Facility (JLAB))*
- TUPEB047 **Design Studies of Front End of Ion Complex for a High Luminosity Electron-ion Collider at JLab** – *Y. Zhang, Y.S. Derbenev, G.A. Krafft, Y. Roblin, B.C. Yunn (JLAB) A. Belov (RAS/INR) V.V. Danilov (ORNL) J.R. Delayen (ODU) V.G. Dudnikov (Muons, Inc) B. Erdelyi, P.N. Ostroumov (ANL)*
- TUPEB048 **A High-Luminosity Medium Energy Electron-Ion Collider at JLab** – *Y. Zhang, S.A. Bogacz, P. Chevtsov, R. Ent, M. Hutton, G.A. Krafft, R. Li, P. Nadel-Turonski, Y. Roblin, H. K. Sayed, A.W. Thomas, M.G. Tiefenback, C. Weiss, B.C. Yunn (JLAB) J.R. Delayen (ODU) T. Horn, F. Klein (Catholic University of America) C. Hyde (Old Dominion University) B. Terzic (Thomas Jefferson National Accelerator Facility (JLAB))*

- TUPEB049 **Electron Cooling for Electron-ion Collider at JLab** – *Y. Zhang, Y.S. Derbenev (JLAB) B. Terzic (Thomas Jefferson National Accelerator Facility (JLAB))*
- TUPEB050 **Ion Bunch Length Effects on the Beam-beam Interaction in a High Luminosity Ring-ring Electron-ion Collider with Head-on Beam-beam Compensation** – *C. Montag, W. Fischer (BNL)*
- TUPEB051 **Interaction Region Design for the Electron-nucleon Collider ENC at FAIR** – *C. Montag (BNL) A. Jankowiak (IKP) A. Lehrach (FZJ)*
- TUPEB052 **MeRHIC Design Status** – *V. Ptitsyn, E.C. Aschenauer, M. Bai, J. Beebe-Wang, I. Ben-Zvi, M. Blaskiewicz, K.A. Brown, A. Burrill, R. Calaga, X. Chang, A.V. Fedotov, D.M. Gassner, H. Hahn, L.R. Hammons, Y. Hao, A. Kayran, R.F. Lambiase, V. Litvinenko, G.J. Mahler, M. Mapes, G.T. McIntyre, W. Meng, M.G. Minty, K.A. Mirabella, B. Oerter, B. Parker, A. Pendzick, S.R. Plate, T. Rao, T. Roser, S. Tepikian, R. Than, D. Trbojevic, N. Tsoupas, J.E. Tuozzolo, G. Wang, A. Zaltsman (BNL) E. Pozdeyev (FRIB) E. Tsentalovich (MIT)*
- TUPEB053 **Measurements of Fast Transition Instability in RHIC** – *V. Ptitsyn, M. Blaskiewicz, P. Cameron, W. Fischer, R.C. Lee, S.Y. Zhang (BNL)*
- TUPEB054 **Design of Positron Damping Ring for Super-KEKB** – *M. Kikuchi, T. Abe, K. Egawa, H. Fukuma, N. Iida, K. Kanazawa, K. Shibata, M. Tobiayama (KEK)*
- TUPEB055 **Optics correction at BEPCII Storage Ring** – *D. Ji, Q. Qin, Y. Wei (IHEP Beijing)*
- TUPEB056 **Operation Experience with the LHC RF System** – *L. Arnaudon (CERN)*
- TUPEB057 **Positron Production and Capture based on Low Energy Electrons for SuperB** – *F. Poirier, O. Dadoun, P. Lepercq, R. Roux, A. Variola (LAL) R. Boni, S. Guiducci, M.A. Preger (INFN/LNF) R. Chehab (IN2P3 IPNL)*
- TUPEB058 **Online Analyzer System for the Development of the Long-lived Charge-exchange Stripping Foils at the J-PARC** – *H. Fujimori, Z. Igarashi, Y. Irie, Y. Sato, M.J. Shirakata, I. Sugai, A. Takagi, Y. Takeda (KEK)*
- TUPEB059 **Injection Scheduling at SuperKEKB Complex through a Dumping Ring** – *K. Furukawa, Y. Funakoshi, M. Kikuchi, K. Oide, M. Satoh, M. Suetake, T. Suwada (KEK)*
- TUPEB060 **Control of Time Uniformity and Duration of Electron Beam Extracted from a Synchrotron** – *Y.A. Bashmakov, V.A. Karpov (LPI)*
- TUPEB061 **A Novel Extraction Scheme from a Synchrotron Using a Magnetic Shield** – *A.V. Bondarenko, S.V. Miginsky, N. Vinokurov (BINP SB RAS)*
- TUPEB062 **Beam Commissioning and Performance Characterisation of the LHC Beam Dump Kicker Systems** – *J.A. Uythoven, E. Carlier, L. Ducimetière, B. Goddard, V. Kain, N. Magnin (CERN)*

- TUPEB063 **Performance Studies for Protection against Asynchronous Dumps in the LHC** – *T. Kramer (EBG MedAustron) W. Bartmann, C. Bracco, B. Goddard, M. Meddahi (CERN)*
- TUPEB064 **Comparison of Emittance Growth for 450 GeV Rigidity Pb⁸²⁺ Ions and p⁺ in Thin Scatterers** – *B. Goddard, V. Kain, M. Meddahi (CERN)*
- TUPEB065 **Phase-dependant Coupling at Injection from Tilt Mismatch between the LHC and its Transfer Lines** – *V. Kain, K. Fuchsberger, B. Goddard, D. Karadeniz, M. Meddahi (CERN)*
- TUPEB066 **Injection Beam Loss and Beam Quality Checks for the LHC** – *B. Goddard, W. Bartmann, C. Bracco, L.N. Drosdal, M. Meddahi, M. Sapinski (CERN)*
- TUPEB067 **Beam Commissioning of the Injection Protection Systems of the LHC** – *W. Bartmann, R.W. Assmann, C. Bracco, B. Goddard, V. Kain, S. Redaelli, A. Rossi, D. Wollmann (CERN)*
- TUPEB068 **Aperture Measurements of the LHC Injection Regions and Beam Dump Systems** – *B. Goddard, W. Bartmann, C. Bracco, V. Kain, M. Meddahi, J.A. Uythoven (CERN)*
- TUPEB069 **Results of 2009 Optics Studies of the SPS to LHC Transfer Lines** – *M. Meddahi, S.D. Fartoukh, K. Fuchsberger, B. Goddard, W. Herr, V. Kain, V. Mertens, J. Wenninger (CERN) D. Kaltchev (TRIUMF)*
- TUPEB070 **Ring-Based Beam-Beam Chopper/Kicker** – *V.D. Shiltsev (Fermilab)*
- TUPEB071 **Mechanical Engineering and Design of the LHC Phase II Collimators** – *A. Bertarelli, G. Arnau-Izquierdo, A.P. Bouzoud, A. Dallochio, G. Favre, B. Feral, L. Gentini, R. Perret, M.A. Timmins (CERN)*
- TUPEB072 **Beam-gas Loss Rates in the LHC** – *Y.I. Levinsen, R. Appleby, H. Burkhardt (CERN)*
- TUPEB073 **Dependence of Background Rates on Beam Separation in the LHC** – *Y.I. Levinsen, H. Burkhardt, S.M. White (CERN)*
- TUPEB074 **UA9 Instrumentation and Detectors in the CERN-SPS** – *R. Losito (CERN)*
- TUPEB075 **Analysis of the Beam Loss Monitor during the Crystal Collimation Tests in UA9** – *D. Mirarchi (CERN)*
- TUPEB076 **Studies of Collimation with Hollow Electron Beams** – *A.I. Drozhdin, G.F. Kuznetsov, V.D. Shiltsev, G. Stancari, D.A. Still, A. Valishev, L.G. Vorobiev (Fermilab) A.A. Kabantsev (UCSD) J.C. Smith (SLAC)*
- TUPEB077 **Geant4 Simulations of the ALPHA Facility's Radiation Test Environment at IUCF** – *P.D. McChesney, S.-Y. Lee, P.E. Sokol (IUCF)*
- TUPEB078 **Construction and Bench Testing of a Rotatable Collimator for the LHC Collimation Upgrade** – *J.C. Smith, L. Keller, S.A. Lundgren, T.W. Markiewicz (SLAC)*

- TUPEB079 **Bench-top Impedance and BPM Measurements of a Rotatable Collimator for the LHC Collimation Upgrade** – J.C. Smith, L. Keller, S.A. Lundgren, T.W. Markiewicz, L. Xiao (SLAC)
- TUPEB080 **A Comparison of Graphite and Thin Hi-Z Primary Collimators in the LHC** – L. Keller, T.W. Markiewicz, J.C. Smith (SLAC) R.W. Assmann, C. Bracco (CERN) Th. Weiler (KIT)

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| 25-May-10 | 16:00 – 18:00 | Poster | Event Hall, Poster Area C |
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| TUPEC — Poster Session |
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- TUPEC001 **Status of the Hybrid Nb/Pb SRF Gun Experiment at HoBiCaT** – T. Kamps, W. Anders, A. Frahm, M. Gensch, S. Klauke, J. Knobloch, O. Kugeler, A.N. Matveenko, A. Neumann, T. Quast, J. Rudolph, M. Schenk, M. Schuster (Helmholtz-Zentrum Berlin für Materialien und Energie GmbH, Elektronen-Speicherring BESSY II) M. Dirsat (Helmholtz-Zentrum Berlin für Materialien und Energie GmbH) P. Kneisel (JLAB) R. Nietubyc (The Andrzej Soltan Institute for Nuclear Studies, Centre Swierk) T. Rao, J. Smedley (BNL) J.K. Sekutowicz (DESY) J. Teichert (FZD) I. Will (MBI)
- TUPEC002 **Mechanical Studies and Field Stability Optimization of a 1.5 Cell SRF Gun Cavity** – A. Neumann, A. Frahm, T. Kamps, O. Kugeler (Helmholtz-Zentrum Berlin für Materialien und Energie GmbH, Elektronen-Speicherring BESSY II) M. Dirsat (Helmholtz-Zentrum Berlin für Materialien und Energie GmbH) P. Kneisel (JLAB) R. Nietubyc (The Andrzej Soltan Institute for Nuclear Studies, Centre Swierk) T. Rao, J. Smedley (BNL) J.K. Sekutowicz (DESY)
- TUPEC003 **The ELBE Accelerator Facility Starts Operation with the Superconducting RF Gun** – R. Xiang, A. Arnold, H. Buetig, D. Janssen, M. Justus, U. Lehnert, P. Michel, P. Murcek, A. Schamlott, Ch. Schneider, R. Schurig, J. Teichert (FZD) T. Kamps, J. Rudolph, M. Schenk (Helmholtz-Zentrum Berlin für Materialien und Energie GmbH, Elektronen-Speicherring BESSY II) I. Will (MBI)
- TUPEC004 **Tuning and RF Characterization of Plane Wave Transformer (PWT) Linac Structures at RRCAT** – S. Lal, K.K. Pant (RRCAT) S. Krishnagopal (BARC)
- TUPEC005 **Development and Commissioning of the Injector for the CUTE-FEL** – S. Lal, B. Biswas, S.K. Gupta, U. Kale, M. Khursheed, A. Kumar, V. Kumar, P. Nerpagar, K.K. Pant, A. Patel, A.K. Sarkar (RRCAT) S. Krishnagopal (BARC)
- TUPEC006 **Multiwavelengths Optical Diagnostic during Cs₂Te Photocathodes Deposition** – L. Monaco, P.M. Michelato, C. Pagani, D. Sertore (INFN/LASA)
- TUPEC007 **Construction of Injector System for SPring-8 X-FEL** – H. Hanaki, T. Asaka, H. Ego, H. Kimura, T. Kobayashi, S. Suzuki, M. Yamaga (JASRI/SPring-8) T. Fukui, T. Inagaki, N. Kumagai, Y. Otake, T. Shintake, K. Togawa (RIKEN/SPring-8)

- TUPEC008 **Cavity Detuning Method to Compensate Beam Energy Decrement in Thermionic RF Gun due to Backbombardment Effect** – *H. Zen (UVSOR) M. A. Bakr, K. Higashimura, T. Kii, R. Kinjo, K. Masuda, K. Nagasaki, H. Ohgaki (Kyoto IAE) H. Zen (Sokendai - Okazaki)*
- TUPEC009 **Development of a Photocathode RF Gun for the L-band Linac at ISIR, Osaka University** – *S. Kashiwagi, K. Furuhashi, G. Isoyama, R. Kato, M. Morio, N. Sugimoto, Y. Terasawa (ISIR) H. Hayano, H. Sugiyama, J. Urakawa (KEK) H. Iijima, M. Kuriki (HUIAdSM)*
- TUPEC010 **Development of a Thermionic RF Gun for Coherent THz Source at Tohoku University** – *F. Hinode, H. Hama, M. Kawai, F. Miyahara, T. Muto, K. Nanbu, H. Oohara, Y. Tanaka (Tohoku University, School of Science)*
- TUPEC011 **Structure Design and Optimization of a Compact C-band Photocathode RF Gun** – *X.H. Liu, C.-X. Tang (TUB)*
- TUPEC012 **Experimental Studies of Thermal Emittance of the Mg Cathode at the NSLS SDL** – *H.J. Qian, C.-X. Tang (TUB) Y. Hidaka, J.B. Murphy, B. Podobedov, H.J. Qian, S. Seletskiy, Y. Shen, X.J. Wang, X. Yang (BNL)*
- TUPEC013 **R & D on a Compact EC-ITC RF Gun for FEL** – *Y.J. Pei (USTC/NSRL)*
- TUPEC014 **Upgraded Photocathode RF Gun for the fs-THz Facility at PAL** – *J.H. Hong, M.S. Chae, I.S. Ko, S.-I. Moon, Y.W. Parc (POSTECH) C. Kim, S.J. Park (PAL)*
- TUPEC015 **High Gradient Electrodes for a Diode - RF Electron Gun** – *C.H. Gough, R. Ganter, S. Ivkovic, E. Kirk, F. Le Pimpec, M. Paraliiev, S. Tsujino (PSI)*
- TUPEC016 **Initial Design of a Superconducting RF Photoinjector Option for the UK's New Light Source Project** – *J.W. McKenzie, B.L. Militsyn (STFC/DL/ASTeC)*
- TUPEC017 **Design of a VHF Photoinjector Option for the UK's New Light Source Project** – *J.W. McKenzie, B.L. Militsyn (STFC/DL/ASTeC)*
- TUPEC018 **NEA GaAs Photocathode Preparation and QE Lifetime Study using the ALICE Load-lock System** – *N. Chanlek, R.M. Jones (UMAN) J.D. Herbert, L.B. Jones, K.J. Middleton, B.L. Militsyn (STFC/DL/ASTeC)*
- TUPEC019 **Improved DC Gun Insulator Assembly** – *R. Sah, A. Dudas, M.L. Neubauer (Muons, Inc) G. Neil, K.E.L. Surles-Law (JLAB)*
- TUPEC020 **Status and Experimental Results of DEGAS the LBNL Quantum Limited Brightness Electron Source** – *M.S. Zolotarev, J.W. O'Neill, F. Sannibale (LBNL) E. D. Commins (UCB)*
- TUPEC021 **SW/TW Hybrid Photoinjector and its Application to the Coherent THz Radiation** – *A. Fukasawa, J.B. Rosenzweig, D. Schiller (UCLA) D. Alesini, L. Ficcadenti, B. Spataro (INFN/LNF) L. Faillace, L. Palumbo (Rome University La Sapienza)*

- TUPEC022 **X-band Photoinjector Beam Dynamics Studies** – *F. Zhou, C. Adolphsen, Y.T. Ding, Z. Li, A.E. Vlieks (SLAC)*
- TUPEC023 **Quantum Efficiency and Lifetime of GaAs cathode in SRF Electron Gun** – *E. Wang, I. Ben-Zvi, A. Burrill, J. Kewisch, T. Rao, Q. Wu (BNL) D. Holmes (AES) E. Wang (PKU/IHIP)*
- TUPEC024 **Heat Load by the GaAs Cathode in SRF Electron Gun** – *E. Wang, I. Ben-Zvi, A. Burrill, J. Kewisch, T. Rao, Q. Wu (BNL) D. Holmes (AES) E. Wang (PKU/IHIP)*
- TUPEC025 **Artificial Intelligence Systems for Electron Beam Parameters Optimization at the Australian Synchrotron** – *E. Meier, G. LeBlanc (ASCo) S. Biedron (ELETTRA) M.J. Morgan (Monash University, Faculty of Science)*
- TUPEC026 **Determination of the Magnetic Characteristics in the Injection Septum for the Metrology Light Source in Berlin** – *O. Dressler (Helmholtz-Zentrum Berlin für Materialien und Energie GmbH, Elektronen-Speicherring BESSY II) N. Hauge (Danfysik A/S) P. Kuske (Helmholtz-Zentrum Berlin für Materialien und Energie GmbH)*
- TUPEC027 **Dynamics of Longitudinal Phase-Space Modulations in an RF Compressor** – *M. Migliorati (Rome University La Sapienza) M. Ferrario, C. Vaccarezza (INFN/LNF) C. Ronsivalle (ENEA C.R. Frascati) M. Venturini (LBNL)*
- TUPEC028 **Microbunching Instability Effect Studies and Laser Heater Optimization for the SPARX FEL Accelerator** – *C. Vaccarezza, M. Ferrario (INFN/LNF) G. Dattoli, L. Giannessi, M. Quattromini, C. Ronsivalle (ENEA C.R. Frascati) M. Migliorati (Rome University La Sapienza) M. Venturini (LBNL)*
- TUPEC029 **Comparison between Hexaboride Materials for Thermionic Cathode RF Gun** – *M. A. Bakr, Y.W. Choi, K. Higashimura, T. Kii, R. Kinjo, K. Masuda, H. Ohgaki, T. Sonobe, S. Ueda, K. Yoshida (Kyoto IAE) H. Zen (UVSOR)*
- TUPEC030 **Conceptual Design of Injection System for Hefei Light Source (HLS) Upgrade Project** – *G. Feng (USTC/NSRL)*
- TUPEC031 **The Operation of Injection System in the SSRF** – *M. Gu, Z.H. Chen, B. Liu, L. Ouyang, Q. Yuan (SINAP)*
- TUPEC032 **Injection Efficiency Monitoring with Libera Brilliance Single Pass** – *M. Znidarcic (I-Tech) K.B. Scheidt (ESRF)*
- TUPEC033 **Shielding Effectiveness of a Shielding Cabinet on Taiwan Light Source Storage Ring Septum Magnet** – *J.C. Huang, C.-H. Chang, C.-S. Hwang, C.Y. Kuo, F.-Y. Lin, C.-S. Yang (NSRRC)*
- TUPEC034 **Dual One-turn Coil for Extraction Kicker Magnet** – *K.L. Tsai, C.-S. Fann, K.T. Hsu, S.Y. Hsu, K.H. Hu, K.-K. Lin, C.Y. Wu (NSRRC) Y.-C. Liu (National Tsing-Hua University)*
- TUPEC035 **Design of the Recirculating Linac Option for the UK New Light Source** – *P.H. Williams, D.J. Dunning, N. Thompson (STFC/DL/ASTeC) D. Angal-Kalinin, J.K. Jones, P.H. Williams (Cockcroft Institute) R. Bartolini, I.P.S. Martin (JAI) J. Rowland (Diamond)*

- TUPEC036 **Design of Post Linac Beam Transport for the UK New Light Source Project** – *D. Angal-Kalinin, P.H. Williams (STFC/DL/ASTeC) D. Angal-Kalinin, J.-L. Fernandez-Hernando, F. Jackson, S.P. Jamison, J.K. Jones, B.D. Muratori (Cockcroft Institute) R. Bartolini, I.P.S. Martin (JAI)*
- TUPEC037 **Beam Dump and Collimation Design Studies for NLS: Thermal and Structural Behaviour** – *J.-L. Fernandez-Hernando (STFC/DL/ASTeC)*
- TUPEC038 **Multipole Kickers for the ALS** – *G.C. Pappas (LBNL)*
- TUPEC039 **Injected Beam Dynamics in SPEAR3** – *W.J. Corbett, A.S. Fisher, X. Huang, J.A. Safranek (SLAC) W.X. Cheng (BNL) W.Y. Mok (Life Imaging Technology)*
- TUPEC040 **Optimal Twiss Parameters for Top Off Injection in a Synchrotron Light Source** – *R.P. Fliller (BNL)*
- TUPEC041 **Beam Stacking in the NSLS-II Booster** – *R.P. Fliller, R. Heese, S. Kowalski, J. Rose, T.V. Shafan (BNL)*
- TUPEC042 **NSLS-II Transport Line Performance** – *R.P. Fliller, W.R. Casey, G. Ganetis, R. Heese, H.-C. Hseuh, P.K. Job, B.N. Kosciuk, R. Meier, D. Padrazo, I. Pinayev, J. Rose, T.V. Shafan, O. Singh, J. Skaritka, C.J. Spataro, G.M. Wang (BNL)*
- TUPEC043 **NSLS-II Storage Ring Injection Orbit Bump System** – *R. Heese, R.P. Fliller, S. Kowalski, T.V. Shafan, P. Singh (BNL)*
- TUPEC044 **Extraction and Injection Kickers for NSLS-II Booster** – *R. Heese, R.P. Fliller, S. Kowalski, J. Rose, T.V. Shafan, P. Singh (BNL)*
- TUPEC045 **Requirements on the Booster Extraction System for the Best Injector Performance** – *T.V. Shafan, A. Blednykh, Y. Kawashima, S. Krinsky, J. Rose, L.-H. Yu (BNL)*
- TUPEC046 **Simulation of Medical Accelerator Linac (5 MeV, 6 A, 3 GHz) with MAGIC Electromagnetic Code** – *P. Gouard, S. Champeaux (CEA)*
- TUPEC047 **Short Range Wakepotentials of General 3D Structures using a Higher order FDTD Algorithm** – *W. Bruns (WBFB)*
contribution with-drawn
- TUPEC048 **Coupling Impedance Contribution of Ferrite Devices: Theory and Simulation** – *L. Haenichen, W.F.O. Müller, T. Weiland (TEMF, TU Darmstadt) O. Boine-Frankenheim (GSI)*
- TUPEC049 **Efficient 3D Space Charge Calculations with Adaptive Discretization based on Multigrid** – *G. Pöplau, U. van Rienen (Rostock University, Faculty of Computer Science and Electrical Engineering)*
- TUPEC050 **Analysis of the Measurement of Electron Cloud Density under Various Beam-optics Elements in KEKB LER** – *P. Jain (Sokendai) H. Fukuma, K. Kanazawa, Y. Suetsugu (KEK)*

- TUPEC051 **Wake Field Analysis by Time Domain BEM with Initial Value Problem Formulation** – *H. Kawaguchi (Murooran Institute of Technology, Department of Electrical and Electronic Engineering)*
- TUPEC052 **Central Region Simulation for a Compact Cyclotron based on Matlab** – *Z. Chen, T. Hu, X. Hu, L. Zhao (HUST)*
- TUPEC053 **Hellweg 2D Code for Electron Dynamics Simulations** – *S.V. Kutsaev (MEPhI)*
- TUPEC054 **Modeling Nanometer Structured Laser Assisted Field Emission** – *B.S.C. Oswald, S. Tsujino (PSI) P. Leidenberger (IFH)*
- TUPEC055 **Computation of Electromagnetic Modes in the LOLA Cavity** – *H. Guo (PSI-LRF) A. Adelman, C. Kraus, B.S.C. Oswald (PSI) P. Arbenz (ETH)*
- TUPEC056 **Evolutionary Algorithms in the Design of RF Cavities** – *C. Lingwood, G. Burt (Cockcroft Institute, Lancaster University)*
- TUPEC057 **Advances With Merlin - A Beam Tracking Code** – *J. Molson, R.J. Barlow, H.L. Owen (UMAN) J. Molson, A.M. Toader (Cockcroft Institute)*
- TUPEC058 **Beam Dynamics in NS-FFAG EMMA with Dynamical Maps** – *Y. Giboudot, R. Nilavalan (Brunel University) T.R. Edgecock (STFC/RAL) A. Wolski (The University of Liverpool)*
- TUPEC059 **Start-to-End Tracking Simulations of the Compact Linear Collider** – *J. Resta-López, J. Dale (JAI) A. Latina (Fermilab) D. Schulte, F. Stulle (CERN)*
- TUPEC060 **Serpentine: A New Code for Particle Tracking** – *S. Molloy, S.T. Boogert (Royal Holloway, University of London)*
- TUPEC061 **Scalable High-order Algorithms for Wakefield Simulations** – *M. Min, P.F. Fischer (ANL)*
- TUPEC062 **Advanced Multi-program GUI for Accelerator Modeling** – *T.J. Roberts (Muons, Inc) D.M. Kaplan (Illinois Institute of Technology)*
- TUPEC063 **Particle Tracking in Matter-dominated Beam Lines** – *T.J. Roberts, K.B. Beard (Muons, Inc) S. Ahmed, D.M. Kaplan (Illinois Institute of Technology) D. Huang (IIT)*
- TUPEC064 **Full 3D Electromagnetic Simulation of Coherent Synchrotron Radiation via the Lorentz-Boosted Frame Approach** – *J.-L. Vay, E. Cormier-Michel, W.M. Fawley, C.G.R. Geddes (LBNL)*
- TUPEC065 **A Second-order Electromagnetic Algorithm for Curved Dielectric Boundaries on the Yee Mesh** – *C.A. Bauer, J.R. Cary, G.R. Werner (CIPS)*
- TUPEC066 **Models and High-order Maps for Realistic RF Cavities using Surface Field Data** – *D.T. Abell, I.V. Pogorelov, P. Stoltz (Tech-X)*
- TUPEC067 **Simulations of Non-scaling FFAGs using PTC** – *D.T. Abell, G.I. Bell, A.V. Sobol (Tech-X) A.G. Ruggiero, D. Trbojevic (BNL)*

- TUPEC068 **Generalized Dispersionless FDTD Algorithm for Cavity Wakefield Modeling** – *B.M. Cowan, R. Busby (Tech-X) J.R. Cary (CIPS)*
- TUPEC069 **VizSchema - a Unified Visualization of Computational Accelerator Physics Data** – *S.G. Shasharina, D. Alexander, J.R. Cary, M.A. Durant, S.E. Kruger, S.A. Veitzer (Tech-X)*
- TUPEC070 **Efficient Treatment of Space Charge Effects Using DA-based FMM Methods** – *H. Zhang, M. Berz, K. Makino (MSU)*
- TUPEC071 **Generic Model Host System Design** – *P. Chu, J. Wu (SLAC) G.B. Shen (BNL)*
- TUPEC072 **Service Oriented Architecture for High Level Applications** – *P. Chu, S. Chevtsov, J. Wu (SLAC) G.B. Shen (BNL)*
- TUPEC073 **State of the Art in Finite-element Electromagnetic Codes for Accelerator Modeling under SciDAC** – *C.-K. Ng, A.E. Candel, L. Ge, A.C. Kabel, K. Ko, L. Lee, Z. Li, G.L. Schussman, L. Xiao (SLAC)*
- TUPEC074 **Beam Breakup Instabilities for Energy Recovery Linac Due to Off-axis Quadrupole Mode** – *G. Wang, I. Ben-Zvi, M. Blaskiewicz, J. Kewisch (BNL)*
- TUPEC075 **Studies of Beam Dynamics for MeRHIC** – *G. Wang, M. Blaskiewicz, A.V. Fedotov, Y. Hao, J. Kewisch, V. Litvinenko, E. Pozdeyev, V. Ptitsyn (BNL)*
- TUPEC076 **Beam Pinch Effect** – *L. Wang (SLAC)*
- TUPEC077 **Long Lifetime Electron Cloud in Wiggler and Quadrupole Magnets of CEsrTA** – *L. Wang, M.T.F. Pivi (SLAC)*
- TUPEC078 **A Two-dimensional FEM Code for Impedance Calculation in High Frequency Domain** – *L. Wang, G.V. Stupakov (SLAC)*
- TUPEC079 **Wakefield Study for SLAC Rotatable Collimator Design for the LHC Phase II Upgrade** – *L. Xiao, C.-K. Ng, J.C. Smith (SLAC)*
- TUPEC080 **Recent Enhancements to the ORBIT Code** – *J.A. Holmes (ORNL)*
- TUPEC081 **Simulations and Measurements of Beam Breakup in Dielectric Wakefield Structures** – *P. Schoessow, C.-J. Jing, A. Kanareykin, A.L. Kustov (Euclid TechLabs, LLC) A. Altmark (LETT) W. Gai, J.G. Power (ANL)*
- TUPEC082 **SimTrack: A Simple C++ Library for Particle Tracking** – *Y. Luo (BNL)*
- TUPEC083 **Numerical Simulation of Beam-beam Effects in the Proposed Electron-Ion Collider at Jefferson Lab** – *B. Terzic (CASA) Y. Zhang (JLAB)*
- TUPEC084 **New Particle-in-cell Code for Numerical Simulation of Coherent Synchrotron Radiation** – *B. Terzic (CASA) R. Li (JLAB)*

| 25-May-10 | 16:00 – 18:00 | Poster | Poster Hall D |
|-----------------------|---|--------|---------------|
| TUPD — Poster Session | | | |
| TUPD001 | Molecular Vision Wavefront Injection System – C.A. Lobo <i>(Private Address)</i> | | |
| TUPD002 | Simulation and Observation of the Space Charge Induced Multi-Stream Instability of LinacμBunches in the SIS18 Synchrotron – S. Appel, T. Weiland (TEMF, TU Darmstadt) O. Boine-Frankenheim (GSI) | | |
| TUPD003 | Electron Cloud Studies for SIS⁻¹⁸ and for the FAIR Synchrotrons – E.B. Petrov, T. Weiland (TEMF, TU Darmstadt) O. Boine-Frankenheim (GSI) | | |
| TUPD004 | Linear Betatron Coupling Studies in SIS18 – W.M. Daqa (IAP) I. Hofmann, V. Kornilov, J. Struckmeier (GSI) | | |
| TUPD005 | Simulation Studies of the CSR-beam Interaction for the Low Alpha Parameters of the ANKA Light Source. – M. Klein, N. Hiller (KIT) A.-S. Müller, K.G. Sonnad (FZK) | | |
| TUPD006 | 3D Self-Consistent PIC Computation of a Transversal Tune Shift caused by an Electron Cloud in a Positron Storage Ring – A. Markovik, G. Pöplau, U. van Rienen (Rostock University, Faculty of Computer Science and Electrical Engineering) | | |
| TUPD007 | Peculiar Variations in Bunch Length Observed at KEKB – T. Ieiri (KEK) | | |
| TUPD008 | Measurement of Wakefield Effects caused by Electron Cloud at KEKB – T. Ieiri, J.W. Flanagan, H. Fukuma, Y. Ohnishi, M. Tobiyaama (KEK) | | |
| TUPD009 | Study of the Beam Dynamics for the 'Fast Extraction' Working Point of the J-PARC Main Ring – A.Y. Molodozhentsev, T. Koseki, M.J. Shirakata, M. Tomizawa (KEK) A. Ando, J. Takano (J-PARC, KEK & JAEA) | | |
| TUPD010 | Simulation of Longitudinal Emittance Control in J-PARC RCS – M. Yamamoto, M. Nomura, A. Schnase, T. Shimada, H. Suzuki, F. Tamura (JAEA/J-PARC) E. Ezura, K. Hara, K. Hasegawa, C. Ohmori, M. Tada, A. Takagi, K. Takata, M. Yoshii (KEK) | | |
| TUPD011 | Intra-beam Scattering Formulas with Debye Shielding – P.-CH. Yu, J. Wei (TUB) H. Okamoto (HUIAdSM) A. Sessler (LBNL) | | |
| TUPD012 | A Characteristics Study for Cold Ion Beam Momentum Spread at HIRFL-CSR – L.J. Mao, G.H. Li, J. Li, J.W. Xia, J.C. Yang, X.D. Yang, Y.J. Yuan (IMP) | | |
| TUPD013 | Assessment of CERN PSB Performance with Linac4 by Simulations of Beams with Strong Direct Space Charge Effects – C. Carli, B. Goddard, M. Martini, M. Scholz (CERN) M. Aiba (PSI) | | |
| TUPD014 | Simulation of Space Charge Effects in Low-energy Electrostatic Storage Rings – A.I. Papash (MPI-K) A.I. Papash (JINR) C.P. Welsch (Cockcroft Institute) | | |
| TUPD015 | Accurate Simulation of the Electron Cloud in the Fermilab Main Injector with VORPAL – P. Lebrun, P. Spentzouris (Fermilab) J.R. Cary (CIPS) P. Stolz, S.A. Veitzer (Tech-X) | | |

- TUPD016 **Induced Cyclotron Resonance of the Electron Cloud in Dipole Magnets** – *S. De Santis, J.M. Byrd, G. Penn (LBNL) M.G. Billing, J.R. Calvey, J.A. Livezey, M.A. Palmer, R.M. Schwartz, J.P. Sikora (CLASSE) M.T.F. Pivi (SLAC)*
- TUPD017 **Current Status of Electron-cloud Build-up Simulations for the Main Injector Upgrade** – *M.A. Furman (LBNL) I. Kourbanis, R.M. Zwaska (Fermilab)*
- TUPD018 **Electron-cloud Build-up Simulations in the Proposed PS2: Status Report** – *M.A. Furman (LBNL) Y. Papaphilippou, G. Rumolo (CERN) R. de Maria (BNL)*
- TUPD019 **Theoretical Studies of TE-Wave Propagation as a Diagnostic for Electron Cloud** – *G. Penn, J.-L. Vay (LBNL)*
- TUPD020 **Studies of Space Charge Effects in the Proposed CERN PS** – *J. Qiang, R.D. Ryne (LBNL) A. Macridin, P. Spentzouris (Fermilab) Y. Papaphilippou (CERN) U. Wienands (SLAC) R. de Maria (BNL)*
- TUPD021 **Method to Extract Transfer Maps in the Presence of Space Charge in Charged Particle Beams** – *E.W. Nissen, B. Erdelyi (Northern Illinois University) S.L. Manikonda (ANL)*
- TUPD022 **CesrTA Retarding Field Analyzer Modeling Results** – *J.R. Calvey, J.A. Crittenden, G. Dugan, S. Greenwald, Z. Leong, J.A. Livezey, M.A. Palmer (CLASSE) C.M. Celata (Cornell University) M.A. Furman, M. Venturini (LBNL)*
- TUPD023 **CesrTA Retarding Field Analyzer Measurements in Drifts, Dipoles, Quadrupoles and Wigglers** – *J.R. Calvey, Y. Li, J.A. Livezey, J. Makita, R.E. Meller, M.A. Palmer, R.M. Schwartz, C.R. Strohman (CLASSE) S. Calatroni, G. Rumolo (CERN) K.C. Harkay (ANL) K. Kanazawa, Y. Suetsugu (KEK) M.T.F. Pivi, L. Wang (SLAC)*
- TUPD024 **Progress in Studies of Electron-cloud-induced Optics Distortions at CesrTA** – *J.A. Crittenden, J.R. Calvey, G. Dugan, D.L. Kreinick, Z. Leong, J.A. Livezey, M.A. Palmer, D. L. Rubin, D. Sagan (CLASSE) M.A. Furman, G. Penn, M. Venturini (LBNL) K.C. Harkay (ANL) R. Holtzapple (CalPoly) M.T.F. Pivi, L. Wang (SLAC)*
- TUPD025 **Resistive Impedance of Oscillating Electron Beam in Undulator Vacuum Chamber** – *A. Grigoryan (YSU) M. Ivanyan, V.M. Tsakanov (CANDLE)*
- TUPD026 **Impedance Effects in the Australian Synchrotron Storage Ring** – *R.T. Dowd, M.J. Boland, Y.E. Tan (ASCo) D.J. Peake (Melbourne)*
- TUPD027 **Beam Coupling Impedance Measurements at the ANKA Electron Storage Ring** – *P.F. Tavares (Karlsruhe Institute of Technology (KIT)) M. Fitterer, N. Hiller, A. Hofmann, V. Judin, M. Klein, S. Marsching, N.J. Smale, K.G. Sonnad (KIT) E. Huttel, A.-S. Müller (FZK) P.F. Tavares (LNLS)*
- TUPD028 **Fast Beam-ion Instability Studies at SOLEIL** – *R. Nagaoka, L. Cassinari, M.D. Diop, M.-P. Level, C. Mariette, R. Sreedharan (SOLEIL)*

- TUPD029 **Coherent Instability Thresholds and Dynamic Aperture with Octupoles and Nonlinear Space-Charge in the SIS100 Synchrotron** – *V. Kornilov, O. Boine-Frankenheim (GSI) V.V. Kapin (ITEP)*
- TUPD030 **Simulation of the Fast Ion Instability in SSRF Storage Ring** – *G.X. Xia (MPI-P) B.C. Jiang (SINAP) L.G. Liu (SSRF)*
- TUPD031 **Dynamics of the Electron Cloud in the Vicinity of Wiggler's Zero Vertical Field** – *L. Schächter (Technion)*
- TUPD032 **Single Bunch Wakefields in the CERN-PSI-ELETTRA X-band Linear Accelerator** – *M.M. El-Ashmawy (ELETTRA)*
- TUPD033 **Short Range Wakefields Studies of Step-out and Taper-out Transitions Adjacent to X-band Linac in FERMI@elettra** – *M.M. El-Ashmawy (ELETTRA)*
- TUPD034 **The Short Range Wakefields of the Traveling Wave and Standing Wave X-band Linearizer of FERMI@ELETTRA FEL: A Comparative Study** – *M.M. El-Ashmawy (ELETTRA)*
- TUPD035 **ABCI-based Analytical Model for Plotting and Calculating the Transverse Wakefield in Axi-symmetric Step-out Transition** – *M.M. El-Ashmawy (ELETTRA)*
- TUPD036 **Electron Cloud Build up and Instability in DAΦNE** – *T. Demma, D. Alesini, P. Raimondi, M. Zobov (INFN/LNF)*
- TUPD037 **The Quadratic Coefficient of the Electron Cloud Mapping** – *T. Demma (INFN/LNF) S. Petracca, A. Stabile (U. Sannio)*
- TUPD038 **Collective Effects in the SuperB Collider** – *T. Demma (INFN/LNF) M.T.F. Pivi (SLAC)*
- TUPD039 **The Stretched Wire Method: A Comparative Analysis Performed by means of the Mode Matching Technique** – *V.G. Vaccaro, F. Galluccio, M. Panniello (Naples University Federico II and INFN)*
- TUPD040 **Streak Camera Observations of KEKB LER Positron Bunches in the Presence of Electron Clouds** – *J.W. Flanagan, H. Fukuma, H. Ikeda (KEK)*
- TUPD041 **Measurement of the Electron Cloud Density in a Solenoid Coil and a Quadrupole Magnet at KEKB LER** – *K. Kanazawa, H. Fukuma (KEK)*
- TUPD042 **Loss Factor and Impedance of IR Beam Ducts for SuperKEKB and KEKB** – *K. Shibata, K. Kanazawa (KEK)*
- TUPD043 **Experimental Studies on Grooved Surfaces to Suppress Secondary Electron Emission** – *Y. Suetsugu, H. Fukuma, K. Shibata (KEK) M.T.F. Pivi, L. Wang (SLAC)*
- TUPD044 **Coupling Impedance of the Kicker Magnet of RCS at J-PARC** – *Y. Shobuda, J. Kamiya, M. Watanabe (JAEA/J-PARC) T. Toyama (J-PARC, KEK & JAEA)*
- TUPD045 **Beam-RF Cavity Interaction and Acceleration Stability in Energy Recovery Accelerator** – *V.G. Kurakin, A.V. Koltsov (LPI)*

- TUPD046 **Effects of Direct Space Charge on the Transverse Mode Coupling Instability** – *D. Quatraro, G. Rumolo (CERN)*
- TUPD047 **Head Tail Instability Observations and Studies at the Proton Synchrotron Booster** – *D. Quatraro, A. Findlay, B. Mikulec, G. Rumolo (CERN)*
- TUPD048 **Amorphous Carbon Coatings for the Mitigation of Electron Cloud in the CERN SPS** – *C. Yin Vallgren, G. Arduini, J. Bauche, S. Calatroni, P. Chiggiato, K. Cornelis, P. Costa Pinto, E. Métral, G. Rumolo, E.N. Shaposhnikova, M. Taborelli, G. Vandoni (CERN)*
- TUPD049 **Transverse Mode Coupling Instability Measurements at Transition Crossing in the CERN PS** – *S. Aumon (EPFL) S. Aumon, P. Freyermuth, S.S. Gilardoni, E. Métral, G. Rumolo, B. Salvant, R.R. Steerenberg (CERN)*
- TUPD050 **Impedances of an Infinitely Long and Axisymmetric Multilayer Beam Pipe: Matrix Formalism and Multi-mode Analysis** – *N. Mounet (EPFL) N. Mounet, E. Métral (CERN)*
- TUPD051 **Generalized Form Factors for the Beam Coupling Impedances in a Flat Chamber** – *N. Mounet (EPFL) N. Mounet, E. Métral (CERN)*
- TUPD052 **Electromagnetic Simulations of Simple Models of Ferrite Loaded Kickers** – *C. Zannini, N. Mounet, E. Métral, G. Rumolo (CERN) B. Salvant, C. Zannini (EPFL)*
- TUPD053 **The Six Electromagnetic Field Components at Low Frequency in an Axisymmetric Infinitely Thick Single-Layer Resistive Beam Pipe** – *N. Mounet (EPFL) N. Mounet, E. Métral (CERN)*
- TUPD054 **Multi-bunch Effect of Resistive Wall in the CLIC BDS** – *R. Mutzner, N. Mounet (EPFL) T. Pieloni (PSI) G. Rumolo, R. Tomas (CERN)*
- TUPD055 **Quadrupolar Transverse Impedance of Simple Models of Kickers** – *B. Salvant (EPFL) N. Mounet, E. Métral, G. Rumolo, B. Salvant, C. Zannini (CERN)*
- TUPD056 **Update of the SPS Impedance Model** – *B. Salvant (EPFL) G. Arduini, O.E. Berrig, F. Caspers, A. Grudiev, N. Mounet, E. Métral, G. Rumolo, B. Salvant, E.N. Shaposhnikova, C. Zannini (CERN) M. Migliorati, B. Spataro (INFN/LNF) B. Zotter (Honorary CERN Staff Member)*
- TUPD057 **Impedance Study for the TPS Storage Ring** – *A. Rusanov (NSRRC)*
- TUPD058 **Collective Effects Simulations for the TPS Storage Ring** – *A. Rusanov, P.J. Chou (NSRRC)*
- TUPD059 **Characterisation of Single Bunch Instabilities at Diamond** – *R. Bartolini, R.T. Fielder, I.P.S. Martin, G. Rehm, J. Rowland, C.A. Thomas (Diamond)*
- TUPD060 **Resistive Wakefields from Rectangular Apertures** – *R.J. Barlow, A.M. Toader (UMAN)*
- TUPD061 **Simulations of the LHC Collimation System** – *R.J. Barlow, R. Appleby, J. Molson, H.L. Owen, A.M. Toader (UMAN)*

- TUPD062 **Nonlinear Single-particle Effects in Multiparticle Tracking Codes for the Analysis of Collective Instabilities** – J. Rowland, R.T. Fielder (Diamond) R. Bartolini (JAI) R. Nagaoka (SOLEIL)
- TUPD063 **Analysis of FEL Jitter Sources for the NLS Project** – J. Rowland (Diamond) R. Bartolini, I.P.S. Martin (JAI) D.J. Dunning, N. Thompson (STFC/DL/ASTeC)
- TUPD064 **Threshold of Slow Longitudinal Instability of a Bunched Beam** – A.V. Burov (Fermilab)
- TUPD065 **Long-range Beam-beam Compensation in RHIC** – H.J. Kim, T. Sen (Fermilab) W. Fischer (BNL)
- TUPD066 **Gaussian Electron Lens in Tevatron** – H.J. Kim, T. Sen (Fermilab)
- TUPD067 **Flat Bunch Dynamics with Multiple Harmonic Cavities** – T. Sen, C.M. Bhat, J.-F. Ostiguy (Fermilab)
- TUPD068 **Simulations of Head-on Beam-Beam Compensation at RHIC and LHC** – A. Valishev, V.D. Shiltsev (Fermilab)
- TUPD069 **Test of Integrable Optics at the Recycler Ring at Fermilab** – A. Valishev, S. Nagaitsev, A.V. Shemyakin (Fermilab) V.V. Danilov (ORNL)
- TUPD070 **Progress with Tevatron Electron Lens Head-on Beam-Beam Compensation** – A. Valishev, G.F. Kuznetsov, V.D. Shiltsev, G. Stancari, X. Zhang (Fermilab) A.L. Romanov (BINP SB RAS)
- TUPD071 **Beam-Beam Effect in a High Luminosity Muon Collider** – A. Valishev, Y. Alexahin, A.V. Netepenko (Fermilab)
- TUPD072 **E-cloud Driven Single-bunch Instabilities in PS2** – M. Venturini, M.A. Furman, G. Penn, J.-L. Vay (LBNL) Y. Papaphilippou, G. Rumolo, R. de Maria (CERN)
- TUPD073 **Effect of Bunch Shape on Electron-Proton Instability** – Z. Liu, S.-Y. Lee (IUCF) S.M. Cousineau, V.V. Danilov, J. Galambos, J.A. Holmes, M.A. Plum, A.P. Shishlo (ORNL)
- TUPD074 **Wakefield Effects and Longitudinal Dynamics in the Fermilab NML Accelerator Test Facility** – C.R. Prokop, P. Piot (Northern Illinois University)
- TUPD075 **Start-to-end Simulation of a Compact THz Smith-Purcell FEL** – C.R. Prokop, P. Piot (Northern Illinois University) M.C. Lin, P. Stoltz (Tech-X)
- TUPD076 **Suppression of CSR Effects on a Train of Electron Bunches** – P. Muggli (UCLA) A.V. Fedotov, M.G. Fedurin, A. Kayran, V. Litvinenko, V. Yakimenko (BNL)
- TUPD077 **Current Filamentation Instability Study of an Electron Beam in a Capillary Plasma** – B.A. Allen, P. Muggli (USC) J.L. Martins (Instituto Superior Tecnico) L.O. Silva (GoLP) V. Yakimenko (BNL)
- TUPD078 **Comparison of Simulation Codes for Microwave Instability in Bunched Beams** – K.L.F. Bane, Y. Cai, G.V. Stupakov (SLAC)
- TUPD079 **PEP-X Impedance and Instability Calculations** – K.L.F. Bane, L. Lee, C.-K. Ng, G.V. Stupakov, L. Wang, L. Xiao (SLAC)

- TUPD080 **Study of High-frequency Impedance of Small-angle Tapers and Collimators** – *G.V. Stupakov (SLAC) B. Podobedov (BNL)*
- TUPD081 **Wake Fields in the Super B Factory Interaction Region** – *S.P. Weathersby, A. Novokhatski (SLAC)*
- TUPD082 **Measurements and Analysis of the Longitudinal and Transverse Wakefield Effects in the LINAC Coherent Light Source Undulators** – *J. Wu, K.L.F. Bane, A. Brachmann, A. Chao, F.-J. Decker, Y.T. Ding, D. Dowell, S.A. Edstrom, P. Emma, J.C. Frisch, A. Gilevich, G.R. Hays, P. Hering, Z. Huang, R.H. Iverson, H. Loos, A. Miahnahri, H.-D. Nuhn, D.F. Ratner, G.V. Stupakov, J.L. Turner, J.J. Welch, W.E. White, D. Xiang (SLAC)*
- TUPD083 **Update on Impedance Calculations of Vacuum Chamber Components for NSLS-II** – *A. Blednykh, L. Doom, M.J. Ferreira, H.-C. Hseuh, B.N. Kosciuk, S. Krinsky, O. Singh, T. Tanabe (BNL)*
- TUPD084 **High Current Limitations for the NSLS-II Booster** – *A. Blednykh, R.P. Fliller, Y. Kawashima, S. Krinsky, J. Rose, T.V. Shaftan, L.-H. Yu (BNL)*
- TUPD085 **Rogue Mode Shielding in NSLS-II Multipole Vacuum Chambers** – *A. Blednykh, B. Bacha, M.J. Ferreira, H.-C. Hseuh, B.N. Kosciuk, S. Krinsky, O. Singh, K. Vetter (BNL)*
- TUPD086 **Loss Factor for Short Bunches in Azimuthally Symmetric Tapered Structures** – *A. Blednykh, S. Krinsky (BNL)*
- TUPD087 **Calculating Point-Charge Wakefields from Finite Length Bunch Wake-potentials** – *B. Podobedov (BNL) G.V. Stupakov (SLAC)*
- TUPD088 **Electron Beam Energy Chirp Effect on Seeded FEL Efficiency** – *B. Podobedov, Y. Hidaka, J.B. Murphy, H.J. Qian, S. Seletskiy, Y. Shen, X.J. Wang, X. Yang (BNL)*
- TUPD089 **Status and Future Plan of the Accelerator for Laser Undulator Compact X-ray Source (LUCX)** – *M.K. Fukuda, S. Araki, A.S. Aryshev, Y. Honda, N. Terunuma, J. Urakawa (KEK) A. Deshpande (Sokendai) K. Sakaue, M. Washio (RISE) N. Sasao (Okayama University)*
- TUPD090 **The Development of New Terahertz Generator using Beam Optics and RF Deflector** – *F. Furugohri, H. Hioka, S. Someya (SUT) M. Yoshida (KEK)*
- TUPD091 **Generation of Ultra-Short Gamma-ray Pulses by Laser Compton Scattering in UVSOR-II Electron Storage Ring** – *Y. Taira, M. Hosaka, K. Soda, Y. Takashima, N. Yamamoto (Nagoya University) M. Adachi, M. Katoh, H. Zen (UVSOR) T. Tanikawa (Sokendai - Okazaki)*
- TUPD092 **Coherent Hard X-ray Free-electron Laser based on Echo-enabled Staged Harmonic Generation Scheme** – *C. Feng, Z.T. Zhao (SINAP)*
- TUPD093 **Beam Dynamics in Compton Storage Rings with Laser Cooling** – *E.V. Bulyak, P. Gladkikh (NSC/KIPT) T. Omori, J. Urakawa (KEK) L. Rinolfi (CERN)*

- TUPD094 **Synchrotron X-ray Radiation from Electron Betatron Motion in Laser Wakefield** – *T. Matsuoka, V. Chvykov, F.J. Dollar, Y. Horovitz, G. Kalintchenko, K.M. Krushelnick, A. Maksimchuk, C.S. McGuffey, A.G.R. Thomas, V. Yanovsky (University of Michigan, FOCUS Center for Ultrafast Optical Science) C. Huntington (University of Michigan, Space Physics Research Lab.) S. Kneip, S. P. D. Mangles, Z. Najmudin, C.A.J. Palmer, J. Schreiber (Imperial College of Science and Technology, Department of Physics) K.T. Phuoc (LOA)*
- TUPD095 **Longitudinal Beam Dynamics Studies at the A0-photoinjector** – *J.C.T. Thangaraj, M.D. Church, H.T. Edwards, A.S. Johnson, A.H. Lumpkin, P. Piot, J. Ruan, J.K. Santucci, Y.-E. Sun, R. Thurman-Keup (Fermilab)*
- TUPD096 **Experimental Results from a Compton-Scattering Gamma-Ray Source** – *D.J. Gibson, F. Albert, S.G. Anderson, C.P.J. Bartly, C. Hagmann, F.V. Hartemann, M. Johnson, R.A. Marsh, D.P. McNabb, M. J. Messerly, M. Shverdin, C. Siders, A.M. Tremaine (LLNL) V. A. Semenov (UCB)*
- TUPD097 **Laser Technology for Precision Monoenergetic Gamma-ray Source R&D at LLNL** – *M. Shverdin, F. Albert, S.G. Anderson, C.P.J. Bartly, A.J. Bayramian, M. Betts, T.S. Chu, C.A. Ebberts, D.J. Gibson, F.V. Hartemann, R.A. Marsh, D.P. McNabb, M. J. Messerly, H.H. Phan, M.A. Prantil, C. Siders, S.S.Q. Wu (LLNL)*
- TUPD098 **Overview of Mono-energetic Gamma-ray Sources & Applications** – *F.V. Hartemann, F. Albert, S.G. Anderson, C.P.J. Bartly, A.J. Bayramian, T.S. Chu, R.R. Cross, C.A. Ebberts, D.J. Gibson, R.A. Marsh, D.P. McNabb, M. J. Messerly, M. Shverdin, C. Siders, S.S.Q. Wu (LLNL) C. Adolphsen, E.N. Jongewaard, T.O. Raubenheimer, S.G. Tantawi, A.E. Vlieks, J.W. Wang (SLAC) V. A. Semenov (UCB)*
- TUPD099 **Steady State Microbunching in Storage Rings for a High Brightness, High Repetition Rate Light Source** – *D.F. Ratner (Stanford University) A. Chao (SLAC)*
- TUPD100 **Electron Transport and Emission in Diamond** – *J. Smedley, I. Ben-Zvi, X. Chang, J. Rameau, T. Rao, Q. Wu (BNL) J. Bohon (Case Western Reserve University, Center for Synchrotron Biosciences) E.M. Muller (Stony Brook University)*
- TUPD101 **Experimental Characterization of the Transverse Mode Evolution for High-gain FELs** – *X.J. Wang, Y. Hidaka, J.B. Murphy, H.J. Qian, Y. Shen (BNL)*
- TUPD102 **Magnet Optics and Beam Dynamics of BERLinPro** – *M. Abo-Bakr, T. Kamps, B.C. Kuske, A.N. Matveenko, A. Meseck (Helmholtz-Zentrum Berlin für Materialien und Energie GmbH, Elektronen-Speicherring BESSY II)*
- TUPD103 **Merger Considerations for BerlinPro** – *B.C. Kuske, M. Abo-Bakr, A.N. Matveenko, A. Meseck (Helmholtz-Zentrum Berlin für Materialien und Energie GmbH, Elektronen-Speicherring BESSY II)*

- TUPD104 **Development of an Yb-doped Fiber Laser System for an ERL Photocathode Gun** – I. Ito, T. Kawasaki, N. Nakamura (ISSP/SRL) Y. Honda (KEK) Y. Kobayashi, K. Torizuka, D. Yoshitomi (AIST)

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| 25-May-10 | 16:00 – 18:00 | Poster | Poster Hall E |
| TUPE — Poster Session | | | |

- TUPE001 **Undulator Focusing Lattice Residual Errors Impact on the SASE FEL Performance** – V.G. Khachatryan, V.M. Tsakanov (CANDLE) M. Vogt (DESY)
- TUPE002 **The Extreme Low Charge Regime Study for European XFEL** – V. Sahakyan, V.G. Khachatryan, A. Tarloyan, V.M. Tsakanov (CANDLE)
- TUPE003 **Diffusive Radiation in Infrared Region** – E.M. Sarkisyan, Zh.S. Gevorkian, K.B. Oganessian (YerPhI)
- TUPE004 **FEL User Facility FLASH** – S. Schreiber, B. Faatz, J. Feldhaus, K. Honkavaara, R. Treusch (DESY)
- TUPE005 **FLASH II: a Seeded Future at FLASH** – B. Faatz, N. Baboi, V. Balandin, W. Decking, S. Düsterer, J. Feldhaus, N. Golubeva, T. Laarmann, T. Limberg, D. Noelle, E. Plönjes, H. Schlarb, S. Schreiber, F. Tavella, K.I. Tiedtke, R. Treusch (DESY) J. Bahrtdt, R. Follath, A. Föhlich, M. Gensch, K. Holldack, A. Meseck, R. Mitzner (Helmholtz-Zentrum Berlin für Materialien und Energie GmbH, Elektronen-Speicherring BESSY II) M. Drescher, V. Miltchev, J. Rossbach (Uni HH)
- TUPE006 **Photocathode Performance At FLASH** – S. Lederer, S. Schreiber (DESY) P.M. Michelato, L. Monaco, D. Sertore (INFN/LASA)
- TUPE007 **High Repetition Rate Seeding of a Free-Electron Laser at DESY Hamburg** – A. Willner, S. Düsterer, B. Faatz, J. Feldhaus, H. Schlarb, F. Tavella (DESY) E. Enrico, S. Hädrich, J. Limpert, J. Rothhardt, A. Tünnermann (Friedrich Schiller Universität) J. Rossbach (Uni HH) T. Tschentscher (European X-ray Free Electron Laser Project Team, clo DESY)
- TUPE008 **Seeding Flash with High Harmonics: Photon Diagnostics and First Commissioning Results** – F. Curbis, A. Azima, J. Boedewadt, H. Delsim-Hashemi, M. Drescher, Th. Maltezopoulos, V. Miltchev, M. Mittenzwey, J. Rossbach, M. Schulz, R. Tarkeshian, M. Wieland (Uni HH) S. Bajt, S. Düsterer, J. Feldhaus, T. Laarmann, H. Schlarb (DESY) R. Ischebeck (PSI) S. Khan (DELTA) A. Meseck (Helmholtz-Zentrum Berlin für Materialien und Energie GmbH, Elektronen-Speicherring BESSY II)
- TUPE009 **Status of sFLASH, the Seeding Experiment at FLASH** – H. Delsim-Hashemi, A. Azima, J. Boedewadt, F. Curbis, M. Drescher, Th. Maltezopoulos, V. Miltchev, M. Mittenzwey, J. Rossbach, J. Rönsch-Schulenburg, R. Tarkeshian, M. Wieland (Uni HH) S. Bajt, T. Laarmann, H. Schlarb (DESY) R. Ischebeck (PSI) S. Khan (DELTA) A. Meseck (Helmholtz-Zentrum Berlin für Materialien und Energie GmbH, Elektronen-Speicherring BESSY II)

- TUPE010 **Status of the Photo Injector Test Facility at DESY, Zeuthen Site (PITZ)** – G. Asova, J.W. Baehr, A. Donat, U. Gensch, H.-J. Grabosch, L. Hakobyan, M. Hänel, Ye. Ivanisenko, L. Jachmann, S. Khodyachykh, M.A. Khojayan, W. Koehler, G. Koss, M. Krasilnikov, A. Kretzschmann, H. Leich, H.L. Luedecke, J. Meissner, A. Oppelt, B. Petrosyan, M. Pohl, S. Riemann, S. Rimjaem, M. Sachwitz, B. Schoeneich, T.A. Scholz, J. Schultze, U. Schwendicke, A. Shapovalov, R. Spesyvtsev, L. Staykov, F. Stephan, F. Tonisch, L.V. Vu, S. Weisse, R.W. Wenndorff, M. Winde (DESY Zeuthen) K. Floettmann, S. Lederer, S. Schreiber (DESY) P.M. Michelato, L. Monaco, C. Pagani, D. Sertore (INFN/LASA) R. Richter (Helmholtz-Zentrum Berlin für Materialien und Energie GmbH) J. Rönsch-Schulenburg (Uni HH)
- TUPE011 **Generating Low Transverse Emittance Beams for Linac Based Light Sources at PITZ** – S. Rimjaem, J.W. Baehr, H.-J. Grabosch, M. Hänel, Ye. Ivanisenko, G. Klemz, M. Krasilnikov, M. Mahgoub, M. Otevel, B. Petrosyan, S. Riemann, J. Rönsch-Schulenburg, R. Spesyvtsev, F. Stephan (DESY Zeuthen) G. Asova, L. Staykov (INRNE) K. Floettmann, S. Lederer, S. Schreiber (DESY) L. Hakobyan, M.A. Khojayan (YerPhI) M.A. Nozdrin (JINR) B. D. O'Shea (UCLA) R. Richter (Helmholtz-Zentrum Berlin für Materialien und Energie GmbH) A. Shapovalov (MEPhI) G. Vashchenko (NSC/KIPT) I. Will (MBI)
- TUPE012 **Stability of Free-Electron Laser Resonators** – S.A. Samant (CBS) S. Krishnagopal (BARC)
- TUPE013 **FERMI@Elettra Dipole and Steerer Magnets** – D. Castronovo, R. Fabris, D. Zangrando (ELETTRA)
- TUPE014 **FERMI@Elettra Quadrupole Magnets** – D. Castronovo, R. Fabris, D. Zangrando (ELETTRA)
- TUPE015 **The X-band System for the FERMI@ELETTRA FEL Project** – G. D'Auria (ELETTRA)
- TUPE016 **Generation of Ultra-short Coherent Vacuum Ultraviolet Pulses using the Elettra Storage-ring Free-electron laser: First Pump-probe Experiments** – G. De Ninno, E. Allaria, M.B. Danailov, E. Karantzoulis, C. Spezzani, M. Trovo (ELETTRA) M. Coreno (CNR - IMIP) G. De Ninno (University of Nova Gorica) E. Ferrari (Università degli Studi di Trieste) D. Garzella (CEA) M. Sacchi (CCPMR)
- TUPE017 **The Design of the FERMI@Elettra Bunch Compressor Chicane** – D. La Civita, S. Di Mitri, G. Lanfranco, G. Pangon, D. Zangrando (ELETTRA)
- TUPE018 **Requirements for FEL Commissioning at FERMI** – E. Allaria, G. Penco, C. Spezzani (ELETTRA) G. De Ninno (University of Nova Gorica)
- TUPE019 **Integration of Elegant Tracking Code into the Tango Server-based High Level Software of FERMI@elettra for Optics Measurements and Modeling** – C. Scafuri, S. Di Mitri, G. Penco (ELETTRA)

- TUPE020 **FERMI&LETTRA Project: Engineering and Installation Status** – *M. Svandrlik, G. Lanfranco, D. Zangrando (ELETTRA)*
- TUPE021 **Electron Beam Conditioning with IR/UV Laser on the Cathode** – *G. Gatti (INFN/LNF)*
- TUPE022 **The SPARX-FEL Project** – *L. Palumbo (Rome University La Sapienza) C. Vaccarezza (INFN/LNF)*
- TUPE023 **Infra-red Free Electron Laser at Tokyo University of Science** – *T. Imai, K. Tsukiyama (Tokyo University of Science, IR FEL Research Center) K. Hisazumi, M. Morotomi (MELCO SC) T. Shidara, M. Yoshida (KEK)*
- TUPE024 **Construction of a Timing and Low-level RF System for XFEL/SPring-8** – *N. Hosoda, H. Maesaka, S.M. Matsubara, T. Ohshima, Y. Otake, K. Tamasaku (RIKEN/SPring-8) M. Musha (University of electro-communications)*
- TUPE025 **Development Status of RF System of Injector Section for XFEL/SPring-8** – *T. Asaka, H. Ego, H. Hanaki, T. Kobayashi, S. Suzuki (JASRI/SPring-8) T. Inagaki, Y. Otake, K. Togawa (RIKEN/SPring-8)*
- TUPE026 **Classical and Quantum Mechanical Analyses on Electromagnetic Wave Emissions in the Planar Cherenkov Free Electron Laser** – *H. Fares, Y. Kuwamura, M. Yamada (Kanazawa University)*
- TUPE027 **Target Ionization Dynamics by Irradiation of X-ray Free-electron Laser Light** – *T. Nakamura, Y. Fukuda (JAEA/Kansai) Y. Kishimoto (Kyoto Univeristy)*
- TUPE028 **Status of the MIR FEL Facility in Kyoto University** – *T. Kii, M. A. Bakr, Y.W. Choi, K. Higashimura, R. Kinjo, K. Masuda, H. Ohgaki, T. Sonobe, M. Takasaki, S. Ueda, K. Yoshida (Kyoto IAE)*
- TUPE029 **Spectral Measurement of VUV CHG at UVSOR-II** – *T. Tanikawa (Sokendai - Okazaki) M. Adachi, M. Katoh, J. Yamazaki, H. Zen (UVSOR) M. Hosaka, Y. Taira, N. Yamamoto (Nagoya University)*
- TUPE030 **High Power Terahertz FEL at ISIR, Osaka University** – *R. Kato, K. Furuhashi, G. Ioyama, S. Kashiwagi, M. Morio, S. Suemine, N. Sugimoto, Y. Terasawa (ISIR) K. Tsuchiya, S. Yamamoto (KEK)*
- TUPE031 **Recent Progress in Infrared FEL and Compton Backscattering Experiment at the Storage Ring NIJI-IV** – *H. Ogawa, N. Sei, K. Yamada (AIST)*
- TUPE032 **Generation Highbrightness X-ray Pulse via Thomson Scattering in Tsinghua University** – *Y.-C. Du, Q. Du, Hua, J.F. Hua, W.-H. Huang, C.-X. Tang, L.X. Yan (TUB)*
- TUPE033 **Optimum of Terahertz Smith-Purcell Radiation Generated the Periodical Ultrashort Bunched Beam** – *W. Liu, W.-H. Huang, C.-X. Tang, D. Wu (TUB)*
- TUPE034 **Design of FEL by the EEHG Scheme for Tsinghua University** – *X.L. Xu, C.-X. Tang, Q.Z. Xing (TUB)*
- TUPE035 **Conceptual Design of a Compton Back-scattering Gamma-ray Light Source based on Hefei Light Source** – *X.C. Lai, H. Hao, X. Li, X.Q. Wang (USTC/NSRL)*

- TUPE036 **The Parameters Study for the Enhanced High Gain Harmonic Generation (EHGG) – Q.K. Jia, H. Geng, H.T. Li (USTC/NSRL)**
- TUPE037 **Optimization of Injector System for PAL-XFEL – J.G. Hwang, E.-S. Kim (Kyungpook National University) I. Hwang (PAL)**
- TUPE038 **Simulation Study on Emittance Increase due to RF Asymmetry – Y.W. Parc (PAL) M.S. Chae, J.H. Hong, I.S. Ko (POSTECH)**
- TUPE039 **Parameter Study for FEL Project at INFLPR – F. Scarlat (INFLPR)**
- TUPE040 **FEL Activity Developed at JINR – E. Syresin, G.A. Chelkov, E.V. Ivanov, R.S. Makarov, E.A. Matyushevskiy, N.A. Morozov, G. Shirkov, G.V. Trubnikov, M.V. Yurkov (JINR) O.I. Brovko (JINR/LHE)**
- TUPE041 **Status of the New Prototype Modulator for the European XFEL Project in Pulse Step Modulator (PSM) Technology – M. Bader, J. Alex, M. Frei, M. Iten, D. Reimann, J. Troxler (Thomson Broadcast & Multimedia AG)**
- TUPE042 **Results of the PSI Diode-RF Gun Test Stand Operation – F. Le Pimpec, B. Beutner, S. Binder, H.-H. Braun, R. Gantner, C.H. Gough, C.P. Hauri, R. Ischebeck, S. Ivkovic, K.B. Li, M. Paraliiev, M. Pedrozzi, T. Schietinger, B. Steffen, A. Trisorio (PSI)**
- TUPE043 **THz-pulse-train photoinjector – C.H. Chen, K.Y. Huang, Y.-C. Huang (NTHU) W.K. Lau, A.P. Lee (NSRRC)**
- TUPE044 **Ultra-compact MW THz Superradiance FEL – Y.-C. Huang, C.H. Chen (NTHU)**
- TUPE045 **The Status of TAC IR FEL & Bremsstrahlung Project – S. Ozkorucuklu (SDU) O. Yavas (Ankara University, Faculty of Engineering)**
- TUPE046 **Subpicosecond Bunch Formation by Traveling Wave under Heavy Beam Loading – V.V. Mytrochenko, M.I. Ayzatskiy, V.A. Kushnir, A. Opanasenko, S.A. Perezhogin, Z.V. Zhiglo (NSC/KIPT)**
- TUPE047 **Possible Way of Tandem Free Electron Laser Realization on Channeling Relativistic Particles – M.V. Vysotskiy, V.I. Vysotskii (National Taras Shevchenko University of Kyiv, Radiophysical Faculty)**
- TUPE048 **SRF Cryomodule and Cryogenics Developments for NLS – S.M. Pattalwar, R. Bate, R.K. Buckley, B.D. Fell, A.R. Goulden, P.A. McIntosh (STFC/DL/ASTeC)**
- TUPE049 **Optimisation of an HHG-Seeded Harmonic Cascade FEL for the NLS Project – D.J. Dunning, N. Thompson (STFC/DL/ASTeC) R. Bartolini (JAI) H. Geng, Z. Huang (SLAC) B.W.J. McNeil (USTRAT/SUPA)**
- TUPE050 **Improved Temporal Coherence in SASE FELs – N. Thompson (STFC/DL/ASTeC) B.W.J. McNeil (USTRAT/SUPA) N. Thompson (Cockcroft Institute)**

- TUPE051 **CW SRF Linac Development for the New Light Source Project in the UK** – P.A. McIntosh, C.D. Beard, A.R. Goulden, A.J. Moss, S.M. Pattalwar, A.E. Wheelhouse (STFC/DL/ASTeC)
- TUPE052 **The ALPHA-X Beam Line: towards a Compact FEL** – M.P. Anania, E. Brunetti, S. Cipiccia, D. Clark, R.C. Issac, D.A. Jaroszynski, T. McCanny, A. J. W. Reitsma, R.P. Shanks, G.H. Welsh, S.M. Wiggins (USTRAT/SUPA) J.A. Clarke, M.W. Poole, B.J.A. Shepherd (STFC/DL/ASTeC) M.J. de Loos, S.B. van der Geer, C.A.J. van der Geer (Pulsar Physics)
- TUPE053 **High Quality, Ultrashort Bunches from a Laser Plasma Wakefield Accelerator: A Suitable Driver of a FEL?** – D.A. Jaroszynski, M.P. Anania, C. Aniculaesei, E. Brunetti, R.T.L. Burgess, S. Chen, S. Cipiccia, D. Clark, B. Ersfeld, M.R. Islam, R.C. Issac, G.G. Manahan, T. McCanny, G. Raj, A. J. W. Reitsma, R.P. Shanks, G. Vieux, G.H. Welsh, S.M. Wiggins, X. Yang (USTRAT/SUPA) J.A. Clarke, M.W. Poole, B.J.A. Shepherd (Cockcroft Institute) W.A. Gillespie (University of Dundee) A. MacLeod (UAD) M.J. de Loos, S.B. van der Geer (Pulsar Physics)
- TUPE054 **Short Pulse Options for the UK's New Light Source Project** – I.P.S. Martin (Diamond) R. Bartolini, I.P.S. Martin (JAI) D.J. Dunning, N. Thompson (STFC/DL/ASTeC)
- TUPE055 **Progress with the Design of the UK's New Light Source Facility** – R.P. Walker (Diamond)
- TUPE056 **Initial Commissioning Results of the Normal-conducting CW VHF RF Photo-gun at LBNL** – F. Sannibale, B.J. Bailey, K.M. Baptiste, W.E. Byrne, J.N. Corlett, S. De Santis, L.R. Doolittle, J. Feng, G. Huang, S. Kwiatkowski, R.S. Mueller, H.A. Padmore, C. F. Papadopoulos, G.J. Portmann, J. Qiang, J.W. Staples, T. Vecchione, M. Venturini, W. Wan, R.P. Wells, A. Zholents (LBNL) M.A. Prantil (LLNL)
- TUPE057 **A Tunable Multi-MHz Repetition Rate Soft X-ray FEL** – P.R. Gandhi, X.W. Gu (UCB) K.-J. Kim, R.R. Lindberg (ANL) G. Penn, J.S. Wurtele, A. Zholents (LBNL)
- TUPE058 **Estimation of Energy Spread Growth in the Second Generation XFELs** – Y. Kim, S.-Y. Lee, J.A. Musser, P.E. Sokol (IUCF)
- TUPE059 **FEL Gain Manipulation using an In-cavity Aperture System** – J.Y. Li, B. Jia, S.F. Mikhailov, V. Popov, Y.K. Wu (FEL/Duke University) S. Huang (PKU/IHIP)
- TUPE060 **Study of FEL Mirror Degradation at the Duke FEL and HIGS Facility** – S.F. Mikhailov, J.Y. Li, V. Popov, Y.K. Wu (FEL/Duke University)
- TUPE061 **Upgrade of the RF Photo-injector for the Duke Storage Ring** – V. Popov, J.Y. Li, S.F. Mikhailov, P.W. Wallace, P. Wang, Y.K. Wu (FEL/Duke University)
- TUPE062 **Simulation Study of a Storage Ring Free-election Laser Oscillator** – B. Jia, J.Y. Li, Y.K. Wu (FEL/Duke University) J. Wu (SLAC)

- TUPE063 **Generation of Optical Orbital Angular Momentum in a Free-electron Laser** – E. Hemsing, A. Marinelli (UCLA)
- TUPE064 **Simulations of Ion Migration in the LCLS RF Gun and Injector** – A. Brachmann (SLAC)
- TUPE065 **Surface Characterization of the LCLS RF Gun Cathode** – A. Brachmann (SLAC)
- TUPE066 **Femtosecond Operation of the LCLS for User Experiments** – J.C. Frisch, C. Bostedt, J.D. Bozek, A. Brachmann, R.N. Coffee, F.-J. Decker, Y.T. Ding, D. Dowell, P. Emma, A. Gilevich, G. Haller, G.R. Hays, P. Hering, B.L. Hill, Z. Huang, R.H. Iverson, E.P. Kanter, B. Kraessig, H. Loos, A. Miahnahri, H.-D. Nuhn, A. Perazzo, M. Petree, D.F. Ratner, T.J. Smith, S.H. Southworth, J.L. Turner, J.J. Welch, W.E. White, J. Wu, L. Young (SLAC) R.B. Wilcox (LBNL)
- TUPE067 **Operational X-ray Diagnostics for the LCLS** – J.C. Frisch, J. Arthur, P. Emma, G. Haller, S.A. Lewis, H. Loos, M. Messerschmidt, M. Petree, T.J. Smith, P. Stefan, H. Tompkins, J.L. Turner, J.J. Welch (SLAC) R.M. Bionta, S. Friedrich, S.P. Hau-Riege (LLNL)
- TUPE068 **Polarization Control for Seeded FELs in a Crossed-Planar Undulator** – H. Geng, Y.T. Ding, Z. Huang (SLAC) R. Bartolini (Diamond) D.J. Dunning, N. Thompson (STFC/DL/ASTeC)
- TUPE069 **A Proof-of-principle Echo-enabled Harmonic Generation FEL Experiment at SLAC** – C. Hast, E.R. Colby, Y.T. Ding, M.P. Dunning, R.K. Jobe, D.J. McCormick, J. Nelson, T.O. Raubenheimer, G.V. Stupakov, Z.M. Szalata, D.R. Walz, S.P. Weathersby, M. Woodley, D. Xiang (SLAC) J.N. Corlett, J. Qiang, D. Schlueter, M. Venturini, W. Wan (LBNL)
- TUPE070 **Second and Third Harmonic Measurements at the Linac Coherent Light Source** – D.F. Ratner, F.-J. Decker, Y.T. Ding, P. Emma, J.C. Frisch, Z. Huang, R.H. Iverson, H. Loos, M. Messerschmidt, H.-D. Nuhn, T.J. Smith, J.L. Turner, J.J. Welch, J. Wu (SLAC) R.M. Bionta (LLNL)
- TUPE071 **Identifying Longitudinal Jitter Sources in the LCLS Linac** – F.-J. Decker, R. Akre, A. Brachmann, J. Craft, Y.T. Ding, D. Dowell, P. Emma, J.C. Frisch, Z. Huang, R.H. Iverson, A. Krasnykh, H. Loos, H.-D. Nuhn, D.F. Ratner, T.J. Smith, J.L. Turner, J.J. Welch, G.R. White, J. Wu (SLAC)
- TUPE072 **Preliminary Results of the ECHO-7 Experiment at SLAC** – D. Xiang, E.R. Colby, Y.T. Ding, M.P. Dunning, C. Hast, R.K. Jobe, D.J. McCormick, J. Nelson, T.O. Raubenheimer, G.V. Stupakov, Z.M. Szalata, D.R. Walz, S.P. Weathersby, M. Woodley (SLAC) J.N. Corlett, J. Qiang, D. Schlueter, M. Venturini, W. Wan (LBNL)
- TUPE073 **Laser Assisted Emittance Exchange to Enhance the Single-pass X-ray FEL Performance in a Large Storage Ring** – D. Xiang, Y. Cai, A. Chao, Y.T. Ding, Z. Huang (SLAC)

- TUPE074 **The JLAMP VUV/Soft x-ray User Facility at Jefferson Laboratory** – F.E. Hannon, S.V. Benson, D. Douglas, P. Evtushenko, K. Jordan, J.M. Klopff, G. Neil, M.D. Shinn, C. Tennant, G.P. Williams, S. Zhang (JLAB)
- TUPE075 **Electrostatic Modeling of the Jefferson Laboratory Inverted Ceramic Gun** – F.E. Hannon, P. Evtushenko, C. Hernandez-Garcia (JLAB)
- TUPE076 **Experimental Investigation on Superradiance in a Tapered Single-pass Free-electron Laser Amplifier** – Y. Hidaka, J.B. Murphy, B. Podobedov, H.J. Qian, S. Seletskiy, Y. Shen, X.J. Wang, X. Yang (BNL)
- TUPE077 **Single-spike SASE FEL at the NSLS SDL** – H.J. Qian, Y. Hidaka, J.B. Murphy, B. Podobedov, S. Seletskiy, Y. Shen, X.J. Wang, X. Yang (BNL) H.J. Qian, C.-X. Tang (TUB)
- TUPE078 **CSR studies at BNL NSLS Source Development Laboratory** – S. Seletskiy (BNL)
- TUPE079 **Theory of Smith-Purcell Radiation from Rough Surfaces** – Zh.S. Gevorkian (YerPhI)
- TUPE080 **Study of High Harmonic Generation at Synchrotron SOLEIL using an Echo Scheme** – C. Evain, M.-E. Couprie, J.-M. Filhol, M. Labat, A. Nadji (SOLEIL) A. Zholents (LBNL)
- TUPE081 **Laser-induced Narrowband Coherent Synchrotron Radiation** – S. Bielawski, C. Szwaj (PhLAM/CERCLA) M. Adachi, M. Katoh, S.I. Kimura, A. Mochihashi, H. Zen (UVSOR) C. Evain (SOLEIL) T. Hara (RIKEN/SPring-8) M. Hosaka, Y. Takashima, N. Yamamoto (Nagoya University) M. Le Parquier (CERLA) M. Shimada (KEK) T. Taka-hashi (KURRI)
- TUPE082 **Advanced Beam Dynamics Experiments with the SPARC High Brightness Photoinjector** – M. Ferrario (INFN/LNF)
- TUPE083 **Effects of Alignment Error of Main Superconducting Cavities on ERLs and their Correction** – N. Nakamura (ISSP/SRL) R. Hajima (JAEA/ERL) K. Harada, Y. Kobayashi, T. Miyajima, S. Sakanaka, M. Shimada (KEK)
- TUPE084 **Tolerance Study on RF Amplitude and Phase of Main Superconducting Cavities and Injection Timing for the Compact ERL** – N. Nakamura (ISSP/SRL) R. Hajima (JAEA/ERL) Y. Kobayashi, T. Miyajima, S. Sakanaka, M. Shimada (KEK)
- TUPE085 **Application of the Eigenvector Method with Constraints to Orbit Correction for ERLs** – N. Nakamura (ISSP/SRL) K. Harada (KEK)
- TUPE086 **A Study of Lifetime of NEA-GaAs Photocathode at Various Temperatures** – H. Iijima, D. Kubo, M. Kuriki, Y. Masumoto, C. Shonaka (HU/AdSM)
- TUPE087 **Development of a Photocathode Test Bench using a Cryo-pump and a NEG Pump** – D. Kubo, H. Iijima, K. Ito, M. Kuriki, Y. Masumoto, C. Shonaka (HU/AdSM) N. Nishimori (JAEA/ERL) M. Yamamoto (KEK)

- TUPE088 **Light Source based on Multiturn-circulation of Beam of Energy Recovery Linac** – *T. Nakamura (JASRI/SPring-8)*
- TUPE089 **Preparation of Start-to-end Simulation for Compact ERL** – *T. Miyajima (KEK)*
- TUPE090 **Progress in Construction of Gun Test Facility for Compact ERL** – *T. Miyajima, K. Haga, K. Harada, T. Honda, Y. Kobayashi, T.M. Mitsunashi, S. Nagahashi, E. Nakamura, S. Nozawa, T. Ozaki, S. Sakanaka, K. Satoh, M. Shimada, T. Takahashi, R. Takai, M. Tobiyama, T. Uchiyama, A. Ueda, M. Yamamoto, Y. Yosuke (KEK) S. Matsuba (Hiroshima University, Graduate School of Science) T. Muto (Tohoku University, School of Science)*
- TUPE091 **Recent Progress in the Energy Recovery Linac Project in Japan** – *S. Sakanaka, M. Akemoto, T. Aoto, D.A. Arakawa, S. Asaoka, A. Enomoto, S. Fukuda, K. Furukawa, T. Furuya, K. Haga, K. Hara, K. Harada, T. Honda, Y. Honda, H. Honma, T. Honma, K. Hosoyama, M. Isawa, E. Kako, T. Kasuga, H. Katagiri, H. Kawata, Y. Kobayashi, Y. Kojima, T. Matsumoto, H. Matsushita, S. Michizono, A. Mishina, T.M. Mitsunashi, T. Miura, T. Miyajima, H. Miyauchi, S. Nagahashi, H. Nakai, H. Nakajima, E. Nakamura, K. Nakanishi, K. Nakao, T. Nogami, S. Noguchi, S. Nozawa, T. Obina, S. Ohsawa, T. Ozaki, C.O. Pak, H. Sakai, H. Sasaki, Y. Sato, K. Satoh, M. Satoh, T. Shidara, M. Shimada, T. Shioya, T. Shishido, T. Suwada, T. Takahashi, R. Takai, T. Takenaka, Y. Tanimoto, M. Tobiyama, K. Tsuchiya, T. Uchiyama, A. Ueda, K. Umemori, K. Watanabe, M. Yamamoto, S. Yamamoto, Y. Yamamoto, Y. Yano, M. Yoshida (KEK) M. Adachi, M. Katoh, H. Zen (UVSOR) R. Hajima, R. Nagai, N. Nishimori, M. Sawamura (JAEA/ERL) H. Hanaki (JASRI/SPring-8) H. Iijima, M. Kuriki (HU/AdSM) I. Ito, H. Kudoh, N. Nakamura, S. Shibuya, K. Shinoe, H. Takaki (ISSP/SRL) H. Kurisu (Yamaguchi University) M. Kuwahara, T. Nakanishi, S. Okumi (Nagoya University) S. Matsuba (Hiroshima University, Graduate School of Science) T. Muto (Tohoku University, School of Science) K. Torizuka, D. Yoshitomi (AIST)*
- TUPE092 **Triple Bending Achromat Lattice in 2-Loop Compact Energy Recovery Linac** – *M. Shimada, K. Harada, Y. Kobayashi, A. Ueda (KEK) R. Hajima (JAEA/ERL)*
- TUPE093 **High-Voltage Test of a 500-kV Photo-Cathode DC Gun for the ERL Light Sources in Japan** – *R. Nagai, R. Hajima, N. Nishimori (JAEA/ERL) Y. Honda, T. Miyajima, T. Muto, M. Yamamoto (KEK) H. Iijima, M. Kuriki (HU/AdSM) M. Kuwahara, T. Nakanishi, S. Okumi (Nagoya University)*
- TUPE094 **Cooling Test of ERL HOM Absorber** – *M. Sawamura (JAEA/ERL) T. Furuya, H. Sakai, K. Umemori (KEK) K. Shinoe (ISSP/SRL)*

- TUPE095 **First Results from III-V Photocathode Preparation Facility for the ALICE ERL Photoinjector** – *B.L. Militsyn, B.D. Fell, L.B. Jones, J.W. McKenzie, K.J. Middleman (STFC/DL/ASTeC) I. Burrows, R.J. Cash (STFC/DL) H.E. Scheibler, A.S. Terekhov (ISP)*
- TUPE096 **Recent Developments on ALICE (Accelerators and Lasers In Combined Experiments) at Daresbury Laboratory** – *Y.M. Saveliev, J.A. Clarke, S.P. Jamison, P.A. McIntosh, A.J. Moss, B.D. Muratori, S.L. Smith, N. Thompson (STFC/DL/ASTeC) M. Surman (STFC/DL/SRD) P. Weightman (The University of Liverpool)*
- TUPE097 **Coherent Synchrotron Radiation Simulations for the Cornell Energy Recovery Linac** – *C.E. Mayes, G.H. Hoffstaetter (CLASSE)*
- TUPE098 **Cornell Energy Recovery Linac Lattice and Layout** – *C.E. Mayes, G.H. Hoffstaetter (CLASSE)*

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| 26-May-10 | 16:00 – 18:00 | Poster | Event Hall, Poster Area A |
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| WEPEA — Poster Session |
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- WEPEA001 **The Australian Synchrotron Accelerator Physics Program** – *G. LeBlanc (ASCo)*
- WEPEA002 **Maximising Beam Availability at the Australian Synchrotron** – *D. Morris, G. LeBlanc, D.C. McGilvery, J. Trehwella (ASCo)*
- WEPEA003 **Time-resolved Tune Measurements and Stability Analysis of the Australian Synchrotron Booster** – *T.K. Charles (Monash University, Faculty of Science) M.J. Boland, R.T. Dowd, M.J. Spencer (ASCo)*
- WEPEA004 **Large Vacuum Intervention to Install New BPMs and Radiation Absorbers into the Storage Ring of the Brazilian Synchrotron Light Source** – *R.M. Seraphim, O.R. Bagnato, F.H. Cardoso, R.H.A. Farias, R.O. Ferraz, H.G. Filho, F.R. Francisco, G.R. Gomes, S.R. Marques, R.T. Neuenchwander, F. Rodrigues, A.L. Rosa, M.B. Silva, M.M. Xavier (LNLS) P.F. Tavares (Karlsruhe Institute of Technology (KIT))*
- WEPEA005 **Beam Position Interlock System for the LNLS 4 Tesla Superconducting Wiggler** – *F.H. Cardoso, J.F. Citadini, S.R. Marques, X.R. Resende, R.M. Seraphim (LNLS)*
- WEPEA006 **Design Status of the New Brazilian Light Source** – *L. Liu, R.H.A. Farias, X.R. Resende, A.R.D. Rodrigues (LNLS)*
- WEPEA007 **Production of Coherent Synchrotron Radiation at the Canadian Light Source** – *L.O. Dallin, W.A. Wurtz (CLS)*
- WEPEA008 **ASTRID2 - A New Light Source in Denmark** – *S.P. Møller, N. Hertel, J.S. Nielsen (ISA)*
- WEPEA009 **Beam Dynamics of the 200 MeV Preinjector for the Brookhaven Synchrotron NSLS II** – *A.S. Setty (THALES)*
- WEPEA010 **Operation and Performance Upgrade of the SOLEIL Storage Ring** – *J.-M. Filhol, J.C. Besson, M.-E. Couprie, J. Denard, C. Herbeaux, P. Lebasque, M.-P. Level, P. Marchand, A. Nadji, R. Nagaoka (SOLEIL)*

- WEPEA011 **Double Low Beta Straight Section for Dual Canted Undulators at SOLEIL** – A. Loulergue, C. Benabderrahmane, F. Bouvet, P. Brunelle, M.-E. Couprie, J. Denard, J.-M. Filhol, C. Herbeaux, P. Lebasque, V. Leroux, A. Lestrade, O. Marcouillé, J.L. Marlats, F. Marteau, T. Moreno, A. Nadji, L.S. Nadolski, F. Polack, A. Somogyi, M.-A. Tordeux (SOLEIL)
- WEPEA012 **Status of the SOLEIL Femtosecond X-ray Source** – A. Nadji, F. Briquez, M.-E. Couprie, J.-M. Filhol, C. Herbeaux, Ph. Hollander, V. Leroux, A. Loulergue, O. Marcouillé, J.L. Marlats, T. Moreno, P. Morin, S. Ravy, F. Sirotti (SOLEIL) O.V. Chubar (BNL) M. Meyer (LIXAM)
- WEPEA013 **Operation and Upgrade of the ESRF Synchrotron Light Source.** – J.-L. Revol, J.C. Biasci, J-F. B. Bouteille, J. Chavanne, P. Elleaume, F. Ewald, L. Farvacque, F. Franchi, L. Goirand, M. Hahn, L. Hardy, J. Jacob, J.M. Koch, M.L. Langlois, G. Lebec, J.M. Mercier, T.P. Perron, E. Plouviez, K.B. Scheidt, V. Serriere (ESRF)
- WEPEA014 **Optic calibration at the MLS and BESSY II** – P.O. Schmid, P. Kuske (Helmholtz-Zentrum Berlin für Materialien und Energie GmbH) D.B. Engel, J. Feikes, R. Mueller, G. Wuestefeld (Helmholtz-Zentrum Berlin für Materialien und Energie GmbH, Elektronen-Speicherring BESSY II)
- WEPEA015 **Coherent THz Measurements at the Metrology Light Source** – G. Wuestefeld, J. Feikes, M.V. Hartrott (Helmholtz-Zentrum Berlin für Materialien und Energie GmbH, Elektronen-Speicherring BESSY II) A. Hoehl, R. Klein, R. Müller, G. Ulm (PTB) P.O. Schmid (Helmholtz-Zentrum Berlin für Materialien und Energie GmbH)
- WEPEA016 **Frequency Maps at PETRA III** – A. Kling, K. Balewski (DESY)
- WEPEA017 **Turn-by-turn Data Analysis for PETRA III** – A. Kling, K. Balewski (DESY) R. Bartolini (JAI)
- WEPEA018 **Measurement of the Tune versus Beam Intensity at the Synchrotron Light Source PETRA III** – R. Wanzenberg, K. Balewski (DESY)
- WEPEA019 **Beam Studies for TBONE** – S. Hillenbrand, M. Fitterer, N. Hiller, A. Hofmann, E. Huttel, V. Judin, M. Klein, S. Marsching, A.-S. Müller, K.G. Sonnad, P.F. Tavares (KIT)
- WEPEA020 **Observation of Bunch Deformation at the ANKA-Storage Ring** – N. Hiller, S. Hillenbrand, A. Hofmann, E. Huttel, V. Judin, M. Klein, S. Marsching, A.-S. Müller, N.J. Smale, K.G. Sonnad, P.F. Tavares (KIT)
- WEPEA021 **Observation of THz-bursts with a Hot Electron Bolometer at the ANKA Storage Ring** – V. Judin, S. Hillenbrand, N. Hiller, A. Hofmann, E. Huttel, M. Klein, S. Marsching, A.-S. Müller, N.J. Smale, K.G. Sonnad, P.F. Tavares (KIT) H.W. Huebers (Technische Universität Berlin) A. Semenov (DLR)

- WEPEA022 **Studies of Polarisation of Coherent THz Edge Radiation at the ANKA Storage Ring** – A.-S. Müller, I. Birkel, M. Fitterer, S. Hillenbrand, N. Hiller, A. Hofmann, E. Huttel, V. Judin, M. Klein, S. Marsching, Y.-L. Mathis, P. Rieger, N.J. Smale, K.G. Sonnad, P.F. Tavares (KIT) H.W. Huebers (Technische Universität Berlin) A. Semenov (DLR)
- WEPEA023 **Proposal for National Iranian Synchrotron Light Source** – J. Rahighi (IPM) S. Varnasseri (SESAME)
- WEPEA024 **Bunch Lengthening Effects by Utilizing a Third Harmonic Cavity in Conjunction with Crab Cavities in TPS** – H. Ghasem (IPM) H. Hassanabadi (Shahrood University of Technology) A. Mohammadzadeh (NSTRI)
- WEPEA025 **Utilization of Crab Cavities in the Designed QBA Lattice of the 3 GeV Taiwan Photon Source** – H. Ghasem (IPM) G.-H. Luo (NSRRC) A. Mohammadzadeh (NSTRI)
- WEPEA026 **On Multipacting-free Waveguide for High Current Light Source** – M. Mostajeran, M. Lamehi Rachti (IPM)
- WEPEA027 **Safety Simulation for Top-up Operation at Elettra** – S. Ferry (ELETTRA)
- WEPEA028 **Top-up Implementation and Operation at Elettra** – E. Karantzoulis, A. Carniel, K. Casarin, G. Gaio, F. Giacuzzo, S. Krecic, E. Quai, C. Scafuri, G. Tromba, A. Vascotto (ELETTRA)
- WEPEA029 **HiSOR-II, Future Plan of Hiroshima Synchrotron Radiation Center** – A. Miyamoto, K. Goto, S. Sasaki (HSRC) S. Hanada (Hiroshima University, Graduate School of Science) H. Tsutsui (SHI)
- WEPEA030 **Improved Stability of the Radiation Intensity at the New-SUBARU Synchrotron Radiation Facility** – S. Hashimoto, S. Miyamoto (NewSUBARU/SPring-8, Laboratory of Advanced Science and Technology for Industry (LASTI)) K. Kawata, Y. Minagawa, T. Shinomoto (JASRI/SPring-8)
- WEPEA031 **Suppression of Horizontal Beam Oscillation by using Fast Kicker Magnet System in SPring-8 Storage Ring** – C. Mitsuda, K. Fukami, K. Kobayashi, M. Oishi, Y. Okayasu, M. Shoji, K. Soutome, H. Yonehara (JASRI/SPring-8) T. Nakanishi (SES) T. Ohshima (RIKEN/SPring-8)
- WEPEA032 **Design Study of a very Low-emittance Storage Ring for the Future Upgrade Plan of SPring-8** – K. Soutome, H. Ohkuma, J. Schimizu, Y. Shimosaki, M. Takao (JASRI/SPring-8)
- WEPEA033 **Ultra-bright and Ultra-low Emittance Light Source Storage Ring with Four Long Straight Sections** – K. Tsumaki (JASRI/SPring-8)
- WEPEA034 **Development and Operational Status of PF-Ring and PF-AR** – T. Honda (KEK)
- WEPEA035 **Test of Hybrid Fill Mode at the Photon Factory Storage Ring** – R. Takai, T. Honda, Y. Kobayashi, T.M. Mitsuhashi, T. Obina, M. Shimada, Y. Tanimoto (KEK)

- WEPEA036 **Accelerators of the Central Japan Synchrotron Radiation Research Facility Project** – N. Yamamoto, M. Hosaka, H. Morimoto, K. Takami, Y. Takashima (Nagoya University) Y. Hori (KEK) M. Katoh (UVSOR) S. Koda (SAGA) S. Sasaki (JASRI/Spring-8)
- WEPEA037 **Study of the Coherent Terahertz Radiation by Laser Bunch Slicing at UVSOR-II Electron Storage Ring** – N. Yamamoto, M. Hosaka, Y. Taira, Y. Takashima (Nagoya University) M. Adachi, M. Katoh, S.I. Kimura, H. Zen (UVSOR) M. Shimada (KEK) T. Takahashi (KURRI) T. Tanikawa (Sokendai - Okazaki)
- WEPEA038 **Present Status and Upgrade Plan on Coherent Light Source Developments at UVSOR-II** – M. Adachi, K. Hayashi, M. Katoh, S.I. Kimura, J. Yamazaki, H. Zen (UVSOR) M. Hosaka, Y. Taira, Y. Takashima, N. Yamamoto (Nagoya University) T. Takahashi (KURRI) T. Tanikawa (Sokendai - Okazaki)
- WEPEA039 **Status of Top-up Operation in UVSOR-II** – H. Zen, K. Hayashi, J. Yamazaki (UVSOR) M. Adachi, M. Katoh, T. Tanikawa, H. Zen (Sokendai - Okazaki) M. Hosaka, Y. Taira, N. Yamamoto (Nagoya University)
- WEPEA040 **Progress and Status of Synchrotron Radiation Facility SAGA-LS** – S. Koda, Y. Iwasaki, T. Kaneyasu, Y. Takabayashi (SAGA)
- WEPEA041 **Emittance Growth Estimation due to Intrabeam Scattering in Hefei Advanced Light Source(HALS) Storage Ring** – W. Fan, G. Feng, D.H. He, W. Li, L. Wang, S.C. Zhang (USTC/NSRL)
- WEPEA042 **Lattice Design and Beam Lifetime Study for HLS Storage Ring Upgrade Project** – G. Feng (USTC/NSRL)
- WEPEA043 **The Hefei Light Source Upgrade Project** – L. Wang, G. Feng, W. Li, H. Xu, S.C. Zhang (USTC/NSRL)
- WEPEA044 **Operating Status of SSRF Booster** – D.M. Li, H.H. Li, H.P. Yan, W.Z. Zhang, Z.T. Zhao (SINAP)
- WEPEA045 **Beam Dynamics in the SSRF Storage Ring** – H.H. Li (SINAP)
- WEPEA046 **Study of the Top-up Operation at SSRF** – H.H. Li (SINAP)
- WEPEA047 **Operation of SRF in the Storage Ring of SSRF** – J.F. Liu, H.T. Hou, C. Luo, Zh.G. Zhang, S.J. Zhao (SINAP) Z.Q. Feng, Z. Li, D.Q. Mao, Y.B. Zhao, X. Zheng (Shanghai KEY Laboratory of Cryogenics & Superconducting RF Technology)
- WEPEA048 **A Design Approach of the Beam Optics in the Complex Storage Ring** – S.Q. Tian (SINAP)
- WEPEA049 **Commissioning of the Shanghai Synchrotron Radiation Facility (SSRF) 150MeV LINAC** – M.H. Zhao, Y.Z. Chen, G.Q. Lin, W.M. Zhou (SINAP)
- WEPEA050 **Studies on Higher Order Modes Damper for the 3rd Harmonic Superconducting Cavity of SSRF** – H. Yu (SSRF) M. Chen, Z.Q. Feng, H.T. Hou, J.F. Liu, Z.Y. Ma, D.Q. Mao, X. Zheng (SINAP)

- WEPEA051 **Performance Improvements of the Pohang Light Source** – S.J. Park, I. Hwang, C. Kim, K.R. Kim, M. Kim, J.W. Lee, S.H. Nam, C.D. Park (PAL) S. Shin (PLS)
- WEPEA052 **A Field Measurement System for the PLS-II Magnet** – K.-H. Park, H.S. Han, Y.-G. Jung, D.E. Kim, K.R. Kim, H.-G. Lee, H.S. Suh (PAL) B.-K. Kang (POSTECH)
- WEPEA053 **The Preliminary Design for LLRF System at PAL** – K.-H. Park, S. An, M.-H. Chun, Y.D. Joo, M.H. Jung, H.-S. Kang, H.-G. Kim, I.S. Park, Y.U. Sohn, I.H. Yu (PAL) Y.S. Lee (SKKU)
- WEPEA054 **Status of the ALBA project** – D. Einfeld (CELLS-ALBA Synchrotron)
- WEPEA055 **General description of IDs initially installed at ALBA** – J. Campmany, D. Einfeld, J. Marcos, V. Massana (CELLS-ALBA Synchrotron)
- WEPEA056 **Beam Dynamics Studies during the Commissioning of the ALBA Booster** – G. Benedetti, D. Einfeld, Z. Martí, M. Munoz (CELLS-ALBA Synchrotron)
- WEPEA057 **RF System of the ALBA Booster: Commissioning and Operation** – F. Perez, A. Salom, P. Sanchez (CELLS-ALBA Synchrotron)
- WEPEA058 **Status of the MAX IV Storage Rings** – S.C. Leemann, J. Ahlback, Å. Andersson, M. Eriksson, M.A.G. Johansson, L.-J. Lindgren, M. Sjöström, E.J. Wallén (MAX-lab)
- WEPEA059 **Energy Acceptance and Touschek Lifetime for the TPS Storage Ring** – H.-J. Tsai, H.-P. Chang, C.-C. Kuo (NSRRC)
- WEPEA060 **An Update of the Lattice Design of the TAC Proposed Synchrotron Radiation and Insertion Devices** – K. Zengin, A.K. Ciftci, R. Ciftci (Ankara University, Faculty of Sciences)
- WEPEA061 **Comparative Analysis of Compton Scattering Cross Section Derived with Classical Electrodynamics and with use of Quantum Approach** – I.V. Drebot, Yu.N. Grigor'ev, A.Y. Zelinsky (NSC/KIPT)
- WEPEA062 **Simulation Algorithm of 3D Magnetic Field Effects in NSC KIPT Compact Intense X-ray Generator** – A.Y. Zelinsky, A. Mytsykov (NSC/KIPT)
- WEPEA063 **Status of NESTOR Facility** – A.Y. Zelinsky (NSC/KIPT)
- WEPEA064 **Low Emittance Tuning and Coupling Control at Diamond** – R. Bartolini, I.P.S. Martin, G. Rehm, J. Rowland, C.A. Thomas (Diamond)
- WEPEA065 **Beam Dynamics for the NLS Superconducting Linac** – R. Bartolini, C. Christou, J.H. Han, I.P.S. Martin, J. Rowland (Diamond) D. Angal-Kalinin, D.J. Dunning, F. Jackson, B.D. Muratori, N. Thompson, P.H. Williams (STFC/DL/ASTeC)
- WEPEA066 **The First Eighteen Months of Top-up at Diamond Light Source** – C. Christou, R.T. Fielder, I.P.S. Martin, S.J. Singleton (Diamond)

- WEPEA067 **Design Studies for a VUV-Soft X-ray FEL Facility at LBNL** – J.N. Corlett, K.M. Baptiste, J.M. Byrd, P. Denes, R.W. Falcone, J. Kirz, H.A. Padmore, G. Penn, J. Qiang, D. Robin, F. Sannibale, R.W. Schoenlein, J.W. Staples, C. Steier, M. Venturini, W. Wan, R.P. Wells, R.B. Wilcox, A. Zholents (LBNL) E. Kur (UCB)
- WEPEA068 **Simulation of a Pulsed Multipole Injection Method for the Advanced Light Source** – D. Robin (LBNL) Z.K. Fisher (MIT)
- WEPEA069 **Upgrade Plans for the Advanced Light Source Accelerator Complex** – D. Robin (LBNL)
- WEPEA070 **Status of the Low Emittance Upgrade of the Advanced Light Source** – C. Steier, A. Madur, H. Nishimura, G.J. Portmann, D. Robin, F. Sannibale, T. Scarvie, W. Wan (LBNL)
- WEPEA071 **Light Source Development and Accelerator Physics Research at Duke University** – Y.K. Wu (FEL/Duke University)
- WEPEA072 **An Extension of Cornell's Energy Recovery Linac for Compressed High-charge Bunches** – F.A. Laham (Cornell University) G.H. Hoffstaetter, C.E. Mayes (CLASSE)
- WEPEA073 **Lattice Development for PEP-X High Brightness Light Source** – Y. Nosochkov, Y. Cai, M.-H. Wang (SLAC)
- WEPEA074 **A Baseline Design for PEP-X: an Ultra-low Emittance Storage Ring** – Y. Cai, K.L.F. Bane, K.J. Bertsche, A. Chao, R.O. Hettel, X. Huang, Z. Huang, C.-K. Ng, A. Novokhatski, T. Rabedeau, J.A. Safranek, G.V. Stupakov, L. Wang, M.-H. Wang, L. Xiao (SLAC)
- WEPEA075 **Booster Synchrotron RF System Upgrade for SPEAR3** – S. Park, W.J. Corbett (SLAC)
- WEPEA076 **NSLS-II Lattice Optimization with Non-zero Chromaticity** – W. Guo (BNL) M. Borland (ANL)
- WEPEA077 **The Approach to NSLS-II Lattice Optimization** – W. Guo, S.L. Kramer, S. Krinsky, B. Nash, F.J. Willeke (BNL)
- WEPEA078 **Instabilities related to the RF Cavity in the Booster Synchrotron for NSLS-II** – Y. Kawashima (BNL)
- WEPEA079 **Studies of Microbunching at BNL NSLS Source Development Laboratory** – S. Seletskiy (BNL)
contribution withdrawn
- WEPEA080 **Optimization of Injection in VUV Ring at BNL National Synchrotron Light Source** – S. Seletskiy (BNL)
- WEPEA081 **ILC RTML Extraction Lines for Single Stage Bunch Compressor** – S. Seletskiy (BNL)
- WEPEA082 **Status of the NSLS-II Injection System** – T.V. Shaftan, R. Alforque, A. Blednykh, W.R. Casey, L.R. Dalesio, M.J. Ferreira, R.P. Fliller, G. Ganetis, R. Heese, H.-C. Hseuh, P.K. Job, E.D. Johnson, Y. Kawashima, B.N. Kosciuk, S. Kowalski, S. Krinsky, Y. Li, H. Ma, R. Meier, S. Ozaki, D. Padrazo, B. Parker, I. Pinayev, M. Rehak, J. Rose, S. Sharma, O. Singh, P. Singh, J. Skaritka, C.J. Spataro, G.M. Wang, F.J. Willeke (BNL)

- WEPEA083 **Application of Model Independent Analysis with EPICS-DDS** – *I. Pinayev, N. Malitsky (BNL) R.M. Talman (CLASSE)*
- WEPEA084 **Study of Beam Emittance and Energy Spread Measurements using SVD and Multiple Flags in the NSLS-II Booster Extraction Beamline** – *G.M. Wang, R.P. Fliller, W. Guo, R. Heese, T.V. Shafan, L.-H. Yu (BNL) Y.-C. Chao (TRIUMF)*
- WEPEA085 **Study of the Application of MIA to NSLS-II Booster for Matrix Measurement** – *G.M. Wang, R.P. Fliller, W. Guo, R. Heese, T.V. Shafan (BNL) C.-x. Wang (ANL)*

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| 26-May-10 | 16:00 – 18:00 | Poster | Event Hall, Poster Area B |
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| WEPEB — Poster Session | | | |
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- WEPEB001 **Data Archive System for J-PARC Main Ring** – *N. Kamikubota, S. Yamada (KEK) T. Iitsuka, S. Motohashi, M. Takagi, S.Y. Yoshida (Kanto Information Service (KIS), Accelerator Group) H. Nemoto (ACMOS INC.) N. Yamamoto (J-PARC, KEK & JAEA)*
- WEPEB002 **Prototype of the Ethernet-based Power Supply Interface Controller Module for KEKB** – *T.T. Nakamura, A. Akiyama, K. Furukawa (KEK)*
- WEPEB003 **Fully Embedded EPICS-based Control of Low Level RF System for SuperKEKB** – *J.-I. Odagiri, K. Akai, K. Furukawa, S. Michizono, T. Miura, T.T. Nakamura (KEK)*
- WEPEB004 **A VXI-11 Module for Python Language and its Application to Accelerator Controls** – *N. Yamamoto (KEK)*
- WEPEB005 **Magnet Pattern Control System of the J-PARC Main Ring** – *J. Takano, T. Koseki, S. Nakamura, T. Toyama, N. Yamamoto (J-PARC, KEK & JAEA) S. Hatakeyama (JAEA/J-PARC) K. Niki, M. Tomizawa, S. Yamada (KEK)*
- WEPEB006 **Present Status of the Development of MPS and TS for IFMIF/EVEDA Accelerator Prototype Control System** – *H. Takahashi, T. Kojima, S. Maebara, H. Sakaki, K. Shinto, K. Tsutsumi (JAEA)*
- WEPEB007 **The Data Acquisition System of Beam Position Monitors in J-PARC Main Ring** – *S. Hatakeyama, N. Hayashi, K. Satou (JAEA/J-PARC) D.A. Arakawa, Y. Hashimoto, S. Hiramatsu, J.-I. Odagiri, M. Tejima, M. Tobiyama, T. Toyama, N. Yamamoto (KEK) K. Hanamura (MELCO SC)*
- WEPEB008 **PLC Control System of the Deuteron Injector** – *Q.F. Zhou, J.E. Chen, Z.Y. Guo, Y.R. Lu, S.X. Peng, J. Zhao (PKU/IHIP)*
- WEPEB009 **The SSRF Control System** – *L.R. Shen, D.K. Liu (SINAP)*
- WEPEB010 **Soft IOC Application in SSRF Beam Diagnostics System** – *Y.B. Yan, Y.B. Leng (SINAP)*
- WEPEB011 **Study on LabVIEW-Based Control System of Compact Cyclotron** – *X. Hu, M. Fan, T. Hu, D. Li, B. Qin, Y.Q. Xiong, J. Yang, T. Yu (HUST)*
- WEPEB012 **Development for PLS HLS Control System and Web Service** – *J.M. Kim, H. J. Choi, H.-S. Kang, J.H. Kim, E.H. Lee, J.W. Lee (PAL)*

- WEPEB013 **IFC to FESA Gateway: Smooth Transition from GSI to FAIR Control System** – G. Jansa, I. Kriznar, G. Pajor, I. Verstovsek (Cosylab) R. Baer, L. Hechler, U. Krause (GSI)
- WEPEB014 **Networked Control System Over an EPICS based Environment** – M. Eguiraun (Fundación TEKNIKER) I. Arredondo, J. Jugo (University of the Basque Country, Faculty of Science and Technology) I. Badillo (ESS-Bilbao)
- WEPEB015 **Recent Improvements of the RF Beam Control for LHC-type Beams in the CERN PS** – H. Damerou, S. Hancock, M. Schokker (CERN)
- WEPEB016 **Application of Modbus-TCP in TPS Control System** – Y.K. Chen, J. Chen, Y.-S. Cheng, K.T. Hsu, C.H. Kuo (NSRRC)
- WEPEB017 **Waveform and Spectrum Acquisition for the TLS** – Y.-S. Cheng, J. Chen, Y.K. Chen, K.T. Hsu, K.H. Hu, C.H. Kuo, C.Y. Wu (NSRRC)
- WEPEB018 **Development of the TPS Control System** – K.T. Hsu, Y.-T. Chang, J. Chen, Y.K. Chen, Y.-S. Cheng, P.C. Chiu, S.Y. Hsu, K.H. Hu, C.H. Kuo, D. Lee, C.-J. Wang, C.Y. Wu (NSRRC)
- WEPEB019 **Virtual Accelerator Development for the TPS** – P.C. Chiu, J. Chen, Y.-S. Cheng, K.T. Hsu, C.H. Kuo, C.Y. Wu (NSRRC)
- WEPEB020 **Control of the Pulse Magnet Power Supply by PLC Embedded EPICS IOC** – C.Y. Wu, J. Chen, Y.-S. Cheng, C.-S. Fann, K.T. Hsu, S.Y. Hsu, K.H. Hu, C.H. Kuo, D. Lee, K.-K. Lin (NSRRC) K. Furukawa, J.-I. Odagiri (KEK)
- WEPEB021 **Completion of a New High Level Control System for the ALS** – G.J. Portmann, M.J. Beaudrow, W.E. Byrne, C.M. Ikami, H. Mahic, H. Nishimura, P. Pace, CA. Timossi (BNL)
- WEPEB022 **Online Virtual Accelerator for the Cornell ERL Injector** – C.M. Gulliford (CLASSE)
- WEPEB023 **Logscore – an IRMIS Aware General Purpose PV Logging System** – G.B. Shen, D. Dohan (BNL)
- WEPEB024 **Design of Accelerator Online Simulator Server using Structured Data** – G.B. Shen (BNL) M.R. Kraimer (ANL)
- WEPEB025 **Design and Prototype of Lattice Service using IRMIS** – G.B. Shen, D. Dohan (BNL)
- WEPEB026 **Prototype of Beam Commissioning Environment and its Applications for NSLS-II** – G.B. Shen, L. Yang (BNL)
- WEPEB027 **Preliminary Operational Experiences of a Bunch-by-bunch Transverse Feedback System at the Australian Synchrotron** – D.J. Peake, R.P. Rassool (Melbourne) M.J. Boland, R.T. Dowd (ASCo)
- WEPEB028 **Study of Synchrotron Radiation in an Undulator by means of PIC Simulation and Radiation Formula** – D. Zhu, M.J. Boland, R.T. Dowd, G. LeBlanc, Y.E. Tan (ASCo)
- WEPEB029 **Operational Status of the Transverse Bunch by Bunch Feedback System at SOLEIL** – R. Nagaoka, L. Cassinari, M.D. Diop, M.-P. Level, C. Mariette, R. Sreedharan (SOLEIL) T. Nakamura (JASRI/SPring-8)

- WEPEB030 **Installing a Fast Orbit Feedback at BESSY** – R. Mueller, B. Franksen, R. Goergen, R. Lange, I. Mueller, J. Rahn, T. Schneegans (Helmholtz-Zentrum Berlin für Materialien und Energie GmbH, Elektronen-Speicherring BESSY II) P. Kuske (Helmholtz-Zentrum Berlin für Materialien und Energie GmbH)
- WEPEB031 **Fast Orbit Feedback for DELTA and FAIR** – P. Hartmann, S. Khan, D. Schirmer, G. Schuenemann, P. Towalski, T. Weis (DELTA)
- WEPEB032 **Studies and Control of Coupled-bunch Instabilities at DELTA** – S. Khan, J. Fuersch, P. Hartmann, T. Weis (DELTA) D. Teytelman (Dimtel)
- WEPEB033 **Beam-based Feedbacks for the FERMI@Elettra Free Electron Laser** – M. Lonza, S. Cleva, S. Di Mitri, O. Ferrando, G. Gaio, L. Pivetta, G. Scalamera (ELETTRA)
- WEPEB034 **Superb Bunch-by-bunch Feedback R&D** – A. Drago, M.M. Beretta, M.E. Biagini, A. Bocci, C. Milardi, P. Raimondi (INFN/LNF) K.J. Bertsche, A. Novokhatski (SLAC) D. Teytelman (Dimtel)
- WEPEB035 **The Clic Drive Beam Phase Monitor Design** – F. Marcellini (INFN/LNF) I. Syratchev (CERN)
- WEPEB036 **Bunch by Bunch Feedback Systems for J-PARC MR** – M. Tobiyama, Y.H. Chin, T. Obina, M. Tejima, T. Toyama (KEK) Y. Shobuda (JAEA/J-PARC)
- WEPEB037 **An Energy Feedback System using BPM for KU-FEL** – Y.W. Choi, M. A. Bakr, K. Higashimura, T. Kii, R. Kinjo, K. Masuda, H. Ohgaki, T. Sonobe, M. Takasaki, S. Ueda, K. Yoshida (Kyoto IAE)
- WEPEB038 **The Spill Feedback Control Unit for J-PARC Slow Extraction** – S. Onuma, K. Mochiki (Tokyo City University) T. Adachi, A. Kiyomichi, R. Muto, H. Nakagawa, H. Someya, M. Tomizawa (KEK) T. Kimura (Miyazaki University) K. Noda (NIRS) H. Sato (Tsukuba University)
- WEPEB039 **Simulation Study of Intra-train Feedback Systems for Nanometer Beam Stabilization at ATF2** – J. Resta-López, G.B. Christian (JAI) J. Alabau-Gonzalvo (IFIC)
- WEPEB040 **Adaptive Scheme for the CLIC Orbit Feedback** – J. Pfingstner, H. Schmickler, D. Schulte (CERN) M. Hofbauer (UMIT)
- WEPEB041 **Commissioning and Initial Performance of the LHC Beam Based Feedback Systems** – R.J. Steinhagen, A. Boccardi, A.C. Butterworth, E. Calvo Giraldo, M. Gasior, J.L. Gonzalez, S. Jackson, L.K. Jensen, O.R. Jones, Q. King, G. Kruk, S.T. Page, G. Sivatskiy, J. Tuckmantel, J. Weninger (CERN) P. Cameron (BNL)
- WEPEB042 **Optimization of the Position of the Radial Loop Pickups in the CERN PS** – S. Aumon (EPFL) S. Aumon, H. Dameriau, S.S. Gilardoni (CERN)
- WEPEB043 **The Integrated Orbit Feedback System Design in the TPS** – C.H. Kuo, P.C. Chiu, K.T. Hsu, K.H. Hu (NSRRC)

- WEPEB044 **Latest Beam Test Results from ATF2 with the Font ILC Prototype Intra-train Beam Feedback Systems** – *P. Burrows, R. Apsimon, D.R. Bett, G.B. Christian, B. Constance, H. Dabiri Khah, C. Perry, J. Resta-López, C. Swinson (JAI)*
- WEPEB045 **The Beam-based Intra-train Feedback System of CLIC** – *J. Resta-López, P. Burrows (JAI)*
- WEPEB046 **Optimization of the CLIC Baseline Collimation System** – *J. Resta-López (JAI) D. Angal-Kalinin, J.-L. Fernandez-Hernando, F. Jackson (STFC/DL/ASTeC) B. Dalena, D. Schulte, R. Tomas (CERN) A. Seryi (SLAC)*
- WEPEB047 **Observation and Improvement of the Long Term Beam Stability using X-ray Beam Position Monitors at DLS** – *C. Bloomer, G. Rehm, C.A. Thomas (Diamond)*
- WEPEB048 **Fault Diagnosis of the APS Real-time Orbit Feedback System Based on FTA*** – *S. Xu, R. Laird, F. Lenkszus, H. Shang (ANL)*
- WEPEB049 **Recent Progress of the Bunch-by-bunch Feedback System at the Advanced Photon Source** – *C. Yao, N.P. Di Monte, V. Sajaev (ANL)*
- WEPEB050 **Scaling of Longitudinal Beam Instability Growth Rate in the Storage Ring** – *W. Wu, J.Y. Li, S.F. Mikhailov, V. Popov, P. Wang, Y.K. Wu (FEL/Duke University) D. Teytelman (Dimtel) W. Xu (USTC/NSRL)*
- WEPEB051 **Feedback Systems for the Cornell ERL High Current Injector** – *F. Loehl (CLASSE)*
- WEPEB052 **SPS Ecloud Instabilities - Analysis of Machine Studies and Implications for Ecloud Feedback** – *J.D. Fox, T. Mastorides, G. Ndabashimiye, C.H. Rivetta, D. Van Winkle (SLAC) J.M. Byrd, M.A. Furman, J.-L. Vay (LBNL) W. Höfle, G. Rumolo (CERN) R. de Maria (BNL)*
- WEPEB053 **Experimental Tests of a Prototype System for Active Damping of the e-p Instability in the ORNL SNS Accumulator Ring** – *R.A. Hardin (ORNL RAD) V.V. Danilov, C. Deibele (ORNL)*
- WEPEB054 **Analysis of the Performance of the SPS Exponential Coupler Striplines using Beam Measurements and Simulation Data** – *R. de Maria (BNL) C. Boccard, W. Höfle, G. Kotzian, C. Palau Montava, B. Salvant (CERN)*
- WEPEB055 **Straightness Alignment of Linac by Detecting Slope Angle** – *T. Kume, K. Furukawa, M. Satoh, T. Suwada (KEK) E. Okuyama (Akita University)*
- WEPEB056 **Experiments on laser-based alignment at the KEKB injector linac** – *M. Satoh, E. Kadokura, T. Suwada (KEK)*
- WEPEB057 **New Laser-Based Alignment System for the 500-m-long KEK Electron/Positron Injector Linac** – *T. Suwada, M. Satoh (KEK)*
- WEPEB058 **Compatibility and Integration of a CLIC Quadrupole Nanometre-stabilization and Positioning System in a Large Accelerator Environment** – *K. Artoos, C.G.R.L. Collette, M. Guinchard, C. Hauviller, S.M.J. Janssens, A.M. Kuzmin, M.V. Sylte (CERN)*

- WEPEB059 **A Wire Position Monitor System for Superconducting Cryomodules in Fermilab** – *D.H. Zhang, N. Eddy, B.J. Fellenz, J. Fitzgerald, P.S. Prieto, A. Saewert, A. Semenov, D.C. Voy, M. Wendt (Fermilab)*
- WEPEB060 **System Design of Accelerator Safety Interlock for the XFEL/SPring-8** – *M. Kago, T. Matsushita, N. Nariyama, C. Saji, R. Tanaka, A. Yamashita (JASRI/SPring-8) Y. Asano, T. Fukui, T. Itoga (RIKEN/SPring-8)*
- WEPEB061 **A Fiber Beam Loss Monitor for the SPring-8 X-FEL: Test Operation at the SPring-8 250 MeV Compact SASE Source** – *X.-M. Maréchal (JASRI/SPring-8) Y. Asano, T. Itoga (RIKEN/SPring-8)*
- WEPEB062 **A Fiber Beam Loss Monitor for the SPring-8 X-FEL: A Numerical Study of its Design and Performance** – *T. Itoga, Y. Asano (RIKEN/SPring-8) X.-M. Maréchal (JASRI/SPring-8)*
- WEPEB063 **Concept of Radiation Monitoring and Safety Interlock Systems for XFEL/SPring-8** – *N. Nariyama, H. Aoyagi, M. Kago, T. Matsushita, C. Saji, R. Tanaka (JASRI/SPring-8) Y. Asano, T. Itoga (RIKEN/SPring-8)*
- WEPEB064 **Electricity Generation from Scattered Secondary Particles Induced by Synchrotron Radiation** – *Y. Shimosaki, K. Kobayashi (JASRI/SPring-8)*
- WEPEB065 **Beam Loss of J-PARC Rapid Cycling Synchrotron at Several Hundred kW Operation** – *K. Yamamoto (JAEA/J-PARC)*
- WEPEB066 **Shielding Analyses and Procedures for the SNS** – *I.I. Popova, P.D. Ferguson, F.X. Gallmeier (ORNL)*
- WEPEB067 **Beam Containment System for NSLS-II** – *S.L. Kramer, W.R. Casey, P.K. Job (BNL)*
- WEPEB068 **Feasibility Tests of the Beam Halo Monitoring System for Protecting Undulator Permanent Magnets against Radiation Damage at XFEL/SPring-8** – *H. Aoyagi, T. Bizen, N. Nariyama (JASRI/SPring-8) Y. Asano, T. Itoga, H. Kitamura, T. Tanaka (RIKEN/SPring-8)*
- WEPEB069 **LHC Beam Loss Measurements and Quench Level Abort Threshold Accuracy** – *B. Dehning, E. Effinger, J. Emery, E.B. Holzer, S. Jackson, C. Kurfuerst, A. Marsili, A. Nordt, J. Perez, C. Zamantzas (CERN) D. Bocian (Fermilab) V. Grishin (IHEP Protvino) H. Ikeda (KEK)*
- WEPEB070 **Particle Shower Simulations and Loss Measurements in the LHC Magnet Interconnection Regions** – *C. Kurfuerst, B. Dehning, E.B. Holzer, A. Nordt, M. Sapinski (CERN)*
- WEPEB071 **The CLIC Machine Protection** – *M. Jonker, E.B. Holzer, S. Mallows, D. Manglunki, G. Morpurgo, Th. Otto, M. Sapinski, F. Tecker, J.A. Uythoven (CERN)*
- WEPEB072 **First Operation of the Abort Gap Monitor for LHC** – *T. Lefevre, S. Bart Pedersen, A. Boccardi, E. Bravin, A. Jeff, A. Rabiller (CERN) A.S. Fisher (SLAC)*
- WEPEB073 **The CERN Beam Interlock System: Principle and Operational Experience** – *B. Puccio, A. Castaneda, M. Kwiatkowski, I. Romera, B. Todd (CERN)*

- WEPEB074 **Requirements of CLIC Beam Loss Monitoring System** – *M. Sapinski, E.B. Holzer, M. Jonker, S. Mallows, Th. Otto (CERN) C.P. Welsch (Cockcroft Institute)*
- WEPEB075 **Beam Halo Studies for CTF3** – *S.T. Artikova (MPI-K) C.P. Welsch (Cockcroft Institute)*
- WEPEB076 **Precision Synchronization of the FLASH Photoinjector Laser** – *S. Schulz (Uni HH) V. R. Arsov (PSI) M.K. Bock, M. Felber, P. Gessler, K.E. Hacker, H. Schlarb, B. Schmidt, J. Zemella (DESY)*
- WEPEB077 **Status of the Upgraded Optical Synchronization System at FLASH** – *S. Schulz, L.-G. Wissmann (Uni HH) V. R. Arsov (PSI) M.K. Bock, M. Felber, P. Gessler, K.E. Hacker, H. Schlarb, B. Schmidt, J. Zemella (DESY) F. Loehl (CLASSE) A. Winter (ITER)*
- WEPEB078 **Investigation of Drift Compensated Fiber for the Pulsed Optical Synchronization System at FLASH** – *H. Schlarb (DESY)*
- WEPEB079 **Final Design and Features of the B-train System of CNAO** – *G. Franzini, O. Coiro, D. Pellegrini, M. Serio, A. Stella (INFN/LNF) M. Pezzetta, M. Pullia (CNAO Foundation)*
- WEPEB080 **Femtosecond Electro-Optical Synchronization System** – *P.L. Lemut (I-Tech) B. Batagelj, L. Pavlovic, J. Tratnik, M. Vidmar (University of Ljubljana, Faculty of Electrical Engineering)*

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| 26-May-10 | 16:00 – 18:00 | Poster | Event Hall, Poster Area C |
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| WEPEC — Poster Session |
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- WEPEC001 **Cryogenic Tests of a 704 MHz 1MW Power Coupler** – *G. Devanz, D. Braud, J.-P. Charrier, S. Chel, M. Desmons, A. Hamdi, D. Roudier, P. Sahuquet (CEA)*
- WEPEC002 **Titanium Nitride Coating as a Multipactor Suppressor** – *W. Kaabi, A. Variola (LAL) A. Brinkmann (DESY) G. Koppel, V. Palmieri (INFN/LNL) I. Montero (CSIC)*
- WEPEC003 **Industrial Production and Delivery of 800 Fundamental Power Couplers for the XFEL Linac** – *L. Lukovac, E. Genesseau (LAL)*
- WEPEC004 **Recent Activities at HoBiCaT** – *O. Kugeler (Helmholtz-Zentrum Berlin für Materialien und Energie GmbH, Elektronen-Speicherring BESSY II)*
- WEPEC005 **Optical Inspection of SRF Cavities at DESY** – *S. Aderhold (DESY)*
- WEPEC006 **Towards PLM-based Quality Assurance in the Fabrication of the Superconducting Cavities for the European XFEL** – *L. Hage, J.A. Dammann, J. Iversen, J. Kreutzkamp, W. Singer (DESY)*
- WEPEC007 **Surface Investigation of Prototype Cavities for the European XFEL** – *X. Singer, S. Aderhold, A. Ermakov, W. Singer, K. Twarowski (DESY) M. Hoss, B. Spaniol (W.C. Heraeus GmbH, Materials Technology Dept.) F. Schoelz (W.C. Heraeus GmbH COPY, Materials Technology Dept.)*

- WEPECO08 **HOM Spectrum and Q-factor Estimations of the High-Beta CERN-SPL-Cavities** – *H.-W. Glock, T. Galek, U. van Rienen (Rostock University, Faculty of Computer Science and Electrical Engineering)*
- WEPECO09 **Designing of 9 Cell Reduced Beta Elliptical Cavity for High Intensity Proton Linac** – *A. Saini (University of Delhi) C.S. Mishra, K. Ranjan, N. Solyak, V.P. Yakovlev (Fermilab)*
- WEPECO10 **Optimization of End Cells for 11 Cell Beta 0.81 Cavity** – *A. Saini (University of Delhi) A. Lunin, C.S. Mishra, K. Ranjan, N. Solyak, V.P. Yakovlev (Fermilab)*
- WEPECO11 **Multipacting Analysis of Superconducting RF Cavities using a Finite Element-based Code employing Leap Frog Scheme** – *S. Ghatak, A.S. Dhavale, K.C. Mittal, J. Mondal (BARC)*
- WEPECO12 **Study of Multipacting in a Coaxial Coupler** – *A.S. Dhavale (BARC) K.C. Mittal (BARC-EBC)*
- WEPECO13 **Phase Locking of Superconducting Quarter Wave Resonator by Piezoelectric Actuator** – *B.K. Sahu, R. Ahuja, G.K. Chowdhury, R.N. Dutt, S. Ghosh, D. Kanjilal, D.S. Mathuria, A. Pandey, P. Patra, A. Rai, A. Roy, K. Singh (IUAC)*
- WEPECO14 **Analysis of the Niobium Surface Evolution during BCP and EP Treatments** – *L. Monaco, P.M. Michelato, C. Paganì, D. Sertore (INFN/LASA)*
- WEPECO15 **Development of a Prototype Module for the ERL Superconducting Main Linac at KEK** – *T. Furuya, K. Hara, K. Hosoyama, Y. Kojima, H. Nakai, K. Nakanishi, H. Sakai, K. Umemori (KEK) M. Sawamura (JAEA/ERL) K. Shinoe (ISSP/SRL)*
- WEPECO16 **Preparation Status of Cryomodule Tests of Tesla-like Cavities in S1-Global Project at KEK** – *E. Kako, H. Hayano, S. Noguchi, N. Ohuchi, M. Satoh, T. Shishido, K. Watanabe, Y. Yamamoto (KEK)*
- WEPECO17 **Development of UHV Field Emission Scanner for Surface Study of Niobium SRF Cavity** – *S. Kato, M. Nishiwaki (KEK) V. Chouhan (GUAS) T. Noguchi (KAKEN Inc.) P.V. Tyagi (Sokendai)*
- WEPECO18 **Application of Electrochemical Buffing onto Niobium SRF Cavity** – *S. Kato, M. Nishiwaki (KEK) S. Azuma, F. Yamamoto (Ultra Finish Technology Co., Ltd.) P.V. Tyagi (Sokendai)*
- WEPECO19 **Defect-Induced Local Heating and Transient Thermal Behavior of Superconducting Cavity Surface** – *Y. Morozumi (KEK)*
- WEPECO20 **Realistic Evaluation of Local Field Enhancement based on Precision Profilometry of Surface Defects** – *Y. Morozumi (KEK)*
- WEPECO21 **Measurement of Hydrogen Absorbed in Niobium** – *K. Nakanishi, K. Hara, K. Hosoyama, A. Kabe, Y. Kojima (KEK)*

- WEPEC022 **Beam Behavior due to Crab Cavities Break down** – *K. Nakanishi, Y. Funakoshi, M. Tobiya (KEK)*
- WEPEC023 **Surface Study on Niobium Stain after Electro-polishing for Super-conducting RF Cavity** – *M. Nishiwaki, H. Hayano, S. Kato, T. Saeki, M. Sawabe (KEK) P.V. Tyagi (Sokendai)*
- WEPEC024 **Present Status of Superconducting Cavity System in cERL Injector Linac at KEK** – *S. Noguchi, E. Kako, M. Satoh, T. Shishido, K. Watanabe, Y. Yamamoto (KEK)*
- WEPEC025 **Studies on the Production of Brown Stains in Electro-polishing Process with Nb Sample Plates at KEK** – *T. Saeki, H. Hayano, S. Kato, M. Nishiwaki, M. Sawabe (KEK) R.L. Geng, A.T. Wu (JLAB) P.V. Tyagi (Sokendai)*
- WEPEC026 **Study on the Electro-Polishing of Nb Sample with Artificial Pits** – *T. Saeki, H. Hayano, S. Kato, M. Nishiwaki, M. Sawabe. (KEK) W.A. Clemens, R.L. Geng, R. Manus (JLAB) P.V. Tyagi (Sokendai)*
- WEPEC027 **Long-period Monitoring of Electro-polishing Electrolyte in EP Facility at KEK** – *M. Sawabe., H. Hayano, S. Kato, M. Nishiwaki, T. Saeki (KEK) P.V. Tyagi (Sokendai)*
- WEPEC028 **Cavity Diagnostics using Rotating Mapping System for 1.3GHz ERL 9-Cell Superconducting Cavity** – *H. Sakai, T. Furuya, S. Sakanaka, T. Takahashi, K. Umemori (KEK) M. Sawamura (JAEA/ERL) K. Shinoe (ISSP/SRL)*
- WEPEC029 **Power Coupler Development for ERL Main LINAC in Japan** – *H. Sakai, T. Furuya, S. Sakanaka, T. Takahashi, K. Umemori (KEK) A. Ishii, N. Nakamura, K. Shinoe (ISSP/SRL) M. Sawamura (JAEA/ERL)*
- WEPEC030 **Results of Vertical Tests for KEK-ERL 9-cell Superconducting Cavity** – *K. Umemori, T. Furuya, H. Sakai, T. Takahashi (KEK) M. Sawamura (JAEA/ERL) K. Shinoe (ISSP/SRL)*
- WEPEC031 **Observation of Resonance Mode in Coaxial-type Input Coupler** – *K. Umemori, T. Furuya, H. Sakai (KEK) M. Sawamura (JAEA/ERL) K. Shinoe (ISSP/SRL)*
- WEPEC032 **Surface Inspection on MHI-01~09 Cavities** – *K. Watanabe, H. Hayano, E. Kako, S. Noguchi, T. Shishido, Y. Yamamoto (KEK) Y. Iwashita (Kyoto ICR) Y. Kikuchi (Tohoku Gakuin University)*
- WEPEC033 **Repair Techniques of Superconducting Cavity for Improvement Cavity Performance at KEK-STF** – *K. Watanabe, H. Hayano, E. Kako, S. Noguchi, T. Shishido, Y. Yamamoto (KEK) Y. Iwashita (Kyoto ICR)*
- WEPEC034 **Various Rinsing Effects to Mitigate Contaminants Brought by BCP on Niobium SRF Cavity Surface** – *P.V. Tyagi (Sokendai) H. Hayano, S. Kato, M. Nishiwaki, T. Saeki, M. Sawabe (KEK)*
- WEPEC035 **Multipoint T-maps for Vertical Test of the Superconducting Accelerator Cavities** – *H. Tongu, H. Fujisawa, M. Ichikawa, Y. Iwashita (Kyoto ICR) H. Hayano, K. Watanabe, Y. Yamamoto (KEK)*

- WEPEC036 **A Preliminary Method to Measure Large Grain Nb Sheet Thickness and Grain Direction by Ultrasonic Microscopy** – J. Yu, J. Gao, J.Y. Zhai (IHEP Beijing)
- WEPEC037 **Pre-design Main Points on Optical-laser Inspection System and Temperature-mapping System for IHEP Low-Loss 9 Cell Cavities** – J. Yu, J. Gao, J.Y. Zhai, J.R. Zhang (IHEP Beijing)
- WEPEC038 **RF and Mechanical Design of the IHEP Low-loss 9-cell Cavity with End Groups** – J.Y. Zhai, J. Gao, Y.C. Xiao (IHEP Beijing) T.X. Zhao (IHEP Beijing)
- WEPEC039 **IHEP Low-loss Large Grain 9-cell Cavity Fabrication and Vertical Test Results** – J.Y. Zhai, J. Gao, Z.Q. Li, J. Yu, J.R. Zhang (IHEP Beijing) T.X. Zhao (IHEP Beijing)
- WEPEC040 **HOM Analysis and HOM Coupler Design of the IHEP 9-cell Low Loss Cavity** – T.X. Zhao (Graduate School of the Chinese Academy of Sciences) J. Gao, J.Y. Zhai (IHEP Beijing) L.Q. Liu, T.X. Zhao (TIPC)
- WEPEC041 **Manufacturing of the First Main Accelerator with TESLA-like 9-cell SRF Cavities at Peking University** – F.S. He (PKU/IHIP)
- WEPEC042 **Tuning for the First 9-cell TESLA Cavity of PKU** – L. Yang (Peking University, School of Physics)
- WEPEC043 **Design, Fabrication and Testing of a Single Spoke Cavity at Peking University** – Z.Y. Yao, X.Y. Lu, K. Zhao (PKU/IHIP)
- WEPEC044 **RF Test of Two-cell Prototype for the PEFPP Proton Linac Extension** – H.S. Kim, Y.-S. Cho, H.-J. Kwon (KAERI) S. An (PAL)
- WEPEC045 **HOM Damping Effects for Different Taper Shapes of PLS-II SRF Cavities** – S. An, Y.D. Joo, H.-S. Kang, C.D. Park, I.S. Park, Y.U. Sohn (PAL)
- WEPEC046 **Design of Superconducting RF System for PLS-II Upgrade** – Y.U. Sohn, S. An, Y.D. Joo, H.-S. Kang, H.-G. Kim, K.R. Kim, C.D. Park, I.S. Park (PAL)
- WEPEC047 **High-temperature Superconducting Proximity Effect based Materials for Accelerator Applications** – A.E. Gustafsson, S. Calatroni, W. Vollenberg (CERN) R. Seviour (Cockcroft Institute, Lancaster University)
- WEPEC048 **Darersbury International Cryomodule Coupler Progress** – A.E. Wheelhouse, C.D. Beard, J.-L. Fernandez-Hernando, P.A. McIntosh, J.F. Orrett (STFC/DLIASTeC) S.A. Belomestnykh, P. Quigley (CLASSE) M.A. Cordwell, J. Strachan (STFC/DL)
- WEPEC049 **Novel Geometry for the LHC Crab Cavity** – B.D.S. Hall, G. Burt, C. Lingwood (Cockcroft Institute, Lancaster University) H. Wang (JLAB)
- WEPEC050 **Design of the Superconducting RF Cavities and Solenoids for the First Muon Linac of the Neutrino Factory** – C. Bontoiu, M. Aslaninejad, J.K. Pozimski (Imperial College of Science and Technology, Department of Physics)

- WEPEC051 **3D Simulation of the Effects of Surface Defects on Field Emitted Electrons** – A. Zarrebini, M. Ristic (*Imperial College of Science and Technology*) K.R. Long (*Imperial College of Science and Technology, Department of Physics*) R. Seviour (*Cockcroft Institute, Lancaster University*)
- WEPEC052 **Higher Order Modes in Third Harmonic Cavities for XFEL/FLASH** – I.R.R. Shinton, R.M. Jones, N. Juntong (*UMAN*) N. Baboi (*DESY*) N. Eddy, T.N. Khabiboulline (*Fermilab*) T. Flisgen, H.-W. Glock, U. van Rienen (*Rostock University, Faculty of Computer Science and Electrical Engineering*)
- WEPEC053 **High Gradient Superconducting Cavity with Low Surface Electromagnetic Fields for The ILC** – N. Juntong, R.M. Jones (*UMAN*)
- WEPEC054 **Status of the CLIC RTML Studies** – F. Stulle, D. Schulte, J. Snuverink (*CERN*) A. Latina (*Fermilab*) S. Molloy (*Royal Holloway, University of London*)
- WEPEC055 **Initial EM Simulations of Proposed Accelerating Cavities for the CERN SPL** – S. Molloy (*Royal Holloway, University of London*) F. Gerigk, W. Weingarten (*CERN*)
- WEPEC056 **Optimization Studies for Radiation Shielding of a Superconducting RF Cavity Test Facility** – C.M. Ginsburg, I.L. Rakhno (*Fermilab*)
- WEPEC057 **Single Spoke Cavities for Low-energy Part of CW Linac of Project X.** – I.G. Gonin, T.N. Khabiboulline, A. Lunin, N. Perunov, N. Solyak, V.P. Yakovlev (*Fermilab*)
- WEPEC058 **High Gradient Tests of a Superconducting Single Spoke Resonator with Helium Vessel at Fermilab** – L. Ristori, G. Apollinari, E. Borissov, I.G. Gonin, T.N. Khabiboulline, A. Mukherjee, T.H. Nicol, Y.M. Pischalnikov, D.A. Sergatskov, R.L. Wagner, R.C. Webber (*Fermilab*)
contribution withdrawn
- WEPEC059 **The Beam Splitter for the Project X** – N. Solyak, I.G. Gonin, S. Nagaitsev, V.P. Yakovlev (*Fermilab*)
- WEPEC060 **Beam Pipe HOM Absorber for 750 MHz RF Cavities** – M.L. Neubauer, A. Dudas, R. Sah (*Muons, Inc*) G.H. Hoffstaetter, M. Liepe, H. Padamsee, V. Shemeli (*CLASSE*)
- WEPEC061 **Novel Crab Cavity RF Design** – M.L. Neubauer, A. Dudas, R. Sah (*Muons, Inc*) S. Ahmed (*Illinois Institute of Technology*) G.A. Krafft, R.A. Rimmer (*JLAB*)
- WEPEC062 **High Power Coax Window** – M.L. Neubauer, A. Dudas (*Muons, Inc*) T.S. Elliott, R.A. Rimmer, M. Stirbet (*JLAB*)
- WEPEC063 **Usage of a Resistive Material for an HOM Load** – V.D. Shemelin (*Private Address*) S.A. Belomestnykh (*CLASSE*)
- WEPEC064 **Localizing SRF-Cavity Quenches with 2nd Sound** – Z.A. Conway, D.L. Hartill, G.H. Hoffstaetter, H. Padamsee, E.N. Smith (*CLASSE*)
- WEPEC065 **Coupled Electromagnetic-Thermal-Mechanical Simulations of Superconducting RF Cavities** – S.E. Posen, M. Liepe, N.R.A. Valles (*CLASSE*)

- WEPEC066 **Latest Results and Test Plans from the 100 mA Cornell ERL Injector SCRF Cryomodule** – *M. Liepe, S.A. Belomestnykh, E.P. Chojnacki, Z.A. Conway, R.P.K. Kaplan, P. Quigley, V. Veshcherevich (CLASSE)*
- WEPEC067 **CW Microphonic Control in the Cornell ERL Injector Cryomodule** – *Z.A. Conway, S.A. Belomestnykh, R.P.K. Kaplan, M. Liepe, P. Quigley (CLASSE)*
- WEPEC068 **Cavity Optimization for Cornell's Energy Recovery Linac** – *N.R.A. Valles, M. Liepe (CLASSE)*
- WEPEC069 **Microstructural Investigations of Limiting Factors in Niobium Cavities** – *A. Romanenko (CLASSE)*
- WEPEC070 **Critical Magnetic Fields of MgB₂, MgB₂/Nb and MgB₂/I/Nb Systems** – *T. Tajima, G.V. Ereemeev (LANL) V.A. Dolgashchev, J. Guo, D.W. Martin, S.G. Tantawi, C. Yoneda (SLAC)*
- WEPEC071 **SRF Cavity High-Gradient Studies at 805 MHz for Proton and Other Applications** – *T. Tajima, G.V. Ereemeev, F.L. Krawczyk, R.J. Roybal (LANL)*
- WEPEC072 **Higher Mode Heating Analysis for Superconducting ILC Linacs** – *K.L.F. Bane, C. Adolphsen, Z. Li, C.D. Nantista, L. Xiao (SLAC)*
contribution with-drawn
- WEPEC073 **A Cryogenic RF Material Testing Facility at SLAC** – *J. Guo, S.G. Tantawi (SLAC)*
- WEPEC074 **Investigation on Critical Dipole Modes in JLAB Upgrade Cryomodules** – *F. Marhauser, K. Tian, H. Wang (JLAB) Z. Li (SLAC)*
contribution with-drawn
- WEPEC075 **On the Damping Efficiency of HOM Couplers** – *F. Marhauser, R.A. Rimmer (JLAB)*
contribution with-drawn
- WEPEC076 **Recent Progress on High-Current SRF Cavities at JLab** – *R.A. Rimmer, W.A. Clemens, J. Henry, P. Kneisel, K. Macha, F. Marhauser, L. Turlington, H. Wang (JLAB)*
- WEPEC077 **RF and Structural Characterization of New Superconducting RF Films** – *A-M. Valente-Feliciano, H.L. Phillips, C.E. Reece, B. Xiao, X. Zhao (JLAB) D.B. Beringer, R.A. Lukaszew, R.A. Outlaw (The College of William and Mary) D. Gu (ODU) K.I. Seo (NSU)*
- WEPEC078 **Plasma Etching of Bulk Nb RF Cavity Surfaces** – *S. Popovic, J. Upadhyay, L. Vuskovic (ODU) H.L. Phillips, A-M. Valente-Feliciano (JLAB)*
- WEPEC079 **Design and Prototype toward a Superconducting Crab Cavity Cryomodule for the Advanced Photon Source** – *H. Wang, G. Cheng, G. Ciovati, J. Henry, P. Kneisel, R.A. Rimmer, L. Turlington (JLAB) R. Nassiri, G.J. Waldschmidt (ANL)*
- WEPEC080 **Effect of Electrolyte Flow Rate on Surface Finish of Nb SRF Single Cell Cavities Treated by Buffered Electropolishing** – *A.T. Wu, S. Jin, R.A. Rimmer (JLAB) X.Y. Lu, K. Zhao (PKU/IHIP)*

- WEPEC081 **Study of Low Temperature Baking Effect on Field Emission on Nb Samples Treated by BEP, EP, and BCP** – A.T. Wu, S. Jin, R.A. Rimmer (JLAB) X.Y. Lu, K. Zhao (PKU/IHIP)
- WEPEC082 **Computational Modeling of Muons passing through Gas Pressured RF Cavities** – A.L. Godunov, A. Samolov (ODU)
- WEPEC083 **Tomographic Analysis of SRF Cavities as Asymmetric Plasma Reactors** – S. Popovic, A.L. Godunov, A. Samolov, J. Upadhyay, L. Vuskovic (ODU) H.L. Phillips, A.M. Valente-Feliciano (JLAB)
- WEPEC084 **Higher Order Mode Properties of Superconducting Parallel-Bar Cavities** – S.U. De Silva, J.R. Delayen (ODU) S.U. De Silva (JLAB)
- WEPEC085 **Simulation of the High-Pass Filter for 56 MHz Cavity for RHIC** – Q. Wu, I. Ben-Zvi (BNL)
- WEPEC086 **Optimization of Higher Order Mode Dampers in the 56 MHz SRF Cavity for RHIC** – Q. Wu, I. Ben-Zvi (BNL)
- WEPEC087 **New Concept and Design of Band-stop HOM Coupler for High Current Superconducting Cavity at BNL** – W. Xu, I. Ben-Zvi (BNL)

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|------------------------------|---------------|--------|---------------|
| 26-May-10 | 16:00 – 18:00 | Poster | Poster Hall D |
| WEPD — Poster Session | | | |

- WEPD001 **Calculation Code for Electron Trajectories in Magnetic Fields** – G. Tosin, J.F. Citadini, R.J.F. Marcondes (LNLS)
- WEPD002 **Magnet Blocks Sorting Code for Elliptically Polarized Undulators** – G. Tosin, J.F. Citadini, R.J.F. Marcondes (LNLS)
- WEPD003 **Designs of the Magnet Prototypes of the New Brazilian Light Source** – G. Tosin, R. Basilio, J.F. Citadini, M. Potye, E.W. Siqueira (LNLS)
- WEPD004 **Modelling of Elliptically Polarizing Undulators** – L.O. Dallin (CLS)
- WEPD005 **Insertion Device Development at the Canadian Light-source** – M.J. Sigrist, D.G. Bilbrough, S. Chen, L.O. Dallin (CLS) K.I. Blomqvist (MAX-lab)
- WEPD006 **Cryogenic In-vacuum Undulator at Danfysik A/S** – C.W.O. Ostenfeld, M. Pedersen (Danfysik A/S)
- WEPD007 **Development of PrFeB Cryogenic Permanent Magnet Undulator (CPMU) at SOLEIL** – C. Benabderrahmane, P. Berteaud, N. Béchu, M.-E. Couprie, J.-M. Filhol, C. Herbeaux, C.A. Kitegi, M. Louvet, J.L. Marlats, K. Tavakoli, M. Valteau, D. Zerbib (SOLEIL)
- WEPD008 **Development of a Short Period High field APPLE-II Undulator at SOLEIL** – C.A. Kitegi, F. Briquez, M.-E. Couprie, T.K. El Ajjouri, J.-M. Filhol, K. Tavakoli, J. Vétéran (SOLEIL)
- WEPD009 **Production of High Flux Hard X-ray Photons at SOLEIL** – O. Marcouillé, P. Berteaud, P. Brunelle, L. Chapuis, M.-E. Couprie, J.-M. Filhol, C. Herbeaux, J.L. Marlats, A. Mary, M. Massal, K. Tavakoli, M. Valteau, J. Vétéran (SOLEIL)

- WEPDO10 **Upgrade of the Insertion Devices at the ESRF** – J. Chavanne, L. Goirand, G. Lebec, C. Penel, F. Revol (ESRF)
- WEPDO11 **Mini-beta Sections in the Storage Ring BESSY II** – J. Bahrtdt, W. Frentrup, A. Gaupp, M. Scheer, F. Schäfers, G. Wuestefeld (Helmholtz-Zentrum Berlin für Materialien und Energie GmbH, Elektronen-Speicherring BESSY II)
- WEPDO12 **Cryogenic Design of a PrFeB-Based Undulator** – J. Bahrtdt, H.-J. Baecker, M. Dirsat, W. Frentrup, A. Gaupp, D. Pflückhahn, M. Scheer, B. Schulz (Helmholtz-Zentrum Berlin für Materialien und Energie GmbH, Elektronen-Speicherring BESSY II) F.J. Gruener, R. Weingartner (LMU) D. Just (Technische Universität Berlin)
- WEPDO13 **Simulation of Error Influence on the Field Quality of the Superconducting Planar Undulator Mock-up** – N. Vasiljev (University Erlangen-Nuernberg, Institute of Condensed Matter Physics) Y. Ivanyushenkov (ANL) A.J. Magerl (University Erlangen-Nurnberg, Institute of Condensed Matter Physics)
- WEPDO14 **Undulators of the sFLASH Experiment** – H. Delsim-Hashemi, J. Rossbach (Uni HH) U. Englisch, Y. Holler, T. Mueller, A. Schoeps, M. Tischer, P.V. Vagin (DESY) I. Vasserman (ANL)
- WEPDO15 **Inductive Shimming of Superconductive Undulators** – P. Peiffer, A. Bernhard, F. Burkart, S. Ehlers, G. Fuchert (KIT) T. Baumbach, A.W. Grau, R. Rossmannith (Karlsruhe Institute of Technology (KIT)) E.M. Mashkina (University Erlangen-Nurnberg, Institute of Condensed Matter Physics) D. Schoerling, D. Wollmann (CERN)
- WEPDO16 **Reduction of Dynamic Field Errors in Superconductive Undulators** – P. Peiffer, A. Bernhard, S. Ehlers, G. Fuchert (KIT) T. Baumbach, R. Rossmannith (Karlsruhe Institute of Technology (KIT)) D. Schoerling (CERN)
- WEPDO17 **Magnetic Measurements of the 1.5 m Coils of the ANKA Superconducting Undulator** – S. Casalbuoni, T. Baumbach, S. Gerstl, A.W. Grau, M. Hagelstein, D. Saez de Jauregui (Karlsruhe Institute of Technology (KIT)) C. Boffo, W. Walter (BNG)
- WEPDO18 **Status of COLDDIAG: a Cold Vacuum Chamber for Diagnostics** – S. Gerstl, T. Baumbach, S. Casalbuoni, A.W. Grau, M. Hagelstein, D. Saez de Jauregui (Karlsruhe Institute of Technology (KIT)) V. Baglin (CERN) C. Boffo, G. Sikler (BNG) T.W. Bradshaw (STFC/RAL) R. Cimino, M. Commisso, B. Spataro (INFN/LNF) J.A. Clarke (STFC/DL/ASTeC) M.P. Cox, J.C. Schouten (Diamond) A. Mostacci (Rome University La Sapienza) I.R.R. Shinton (UMAN) E.J. Wallén (MAX-lab) R. Weigel (Max-Planck Institute for Metal Research)
- WEPDO19 **Development of Instrumentation for Magnetic Field Measurements of 2m Long Superconducting Undulator Coils** – A.W. Grau, T. Baumbach, S. Casalbuoni, S. Gerstl, M. Hagelstein, D. Saez de Jauregui (Karlsruhe Institute of Technology (KIT))

- WEPD020 **Experimental Demonstration of Period Length Switching for Superconducting Insertion Devices** – A.W. Grau, T. Baumbach, S. Casalbuoni, S. Gerstl, M. Hagelstein, D. Saez de Jauregui (Karlsruhe Institute of Technology (KIT)) C. Boffo, W. Walter (BNG)
- WEPD021 **Fabrication of the New Superconducting Undulator for the ANKA Synchrotron Light Source** – C. Boffo, W. Walter (BNG) T. Baumbach, S. Casalbuoni, A.W. Grau, M. Hagelstein, D. Saez de Jauregui (FZK)
- WEPD022 **Fabrication of a Six Period PPM Undulator for Pulsed Wire Method** – S. Tripathi, M. Gehlot, G. Mishra (Devi Ahilya University) S. Chouksey, V. Kumar (RRCAT) J. Hus-sain (RGPV)
- WEPD023 **Development of Ultra-high Quality Surface Finish Undulator Vacuum Chambers for the FERMI@Elettra Project** – G. Lanfranco, P. Craievich, E. Karantzoulis, D. La Civita, A.A. Lutman, S.V. Milton, M. Stefanutti (ELETTRA) M. Canetti, F. Gangini (RIAL VACUUM S.p.A)
- WEPD024 **New Scheme of Quasi-Periodic Undulators** – S. Sasaki (HSRC)
- WEPD025 **Theoretical Examination of Radiation Spectrum from the Quasi-periodic Undulator** – S. Hirata (Hiroshima University, Faculty of Science) S. Sasaki (HSRC)
- WEPD026 **In-situ Magnetic Measurement and Correction for Cryogenic Undulator Development** – T. Tanaka, H. Kitamura (RIKEN/SPring-8) A. Anghel, M. Bruegger, W. Bulgheroni, B. Jakob, T. Schmidt (PSI) A. Kagamihata, T. Seike (JASRI/SPring-8)
- WEPD027 **Tuning of the Fast Local Bump System for Helicity Switching at the Photon Factory** – K. Harada, Y. Kobayashi, T. Miyajima, S. Nagahashi, T. Obina, M. Shimada, R. Takai (KEK) S. Matsuba (Hiroshima University, Graduate School of Science)
- WEPD028 **Magnetic Field Adjustment of a Polarizing Undulator (U#16-2) at the Photon Factory** – K. Tsuchiya, T. Aoto (KEK)
- WEPD029 **End Field Termination for Bulk HTSC Staggered Array Undulator** – R. Kinjo, M. A. Bakr, Y.W. Choi, K. Higashimura, T. Kii, K. Masuda, K. Nagasaki, H. Ohgaki, T. Sonobe, M. Takasaki, S. Ueda, K. Yoshida (Kyoto IAE)
- WEPD030 **Elimination of Hall Probe Orientation Error in Measured Magnetic Field of the Edge-focusing Wiggler** – S. Kashiwagi, G. Isoyama, R. Kato (ISIR) K. Tsuchiya, S. Yamamoto (KEK)
- WEPD031 **Observation and Correction of Effects of Variably Polarized Undulator on Electron Beam at SAGA-LS** – T. Kaneyasu, Y. Iwasaki, S. Koda, Y. Takabayashi (SAGA)
- WEPD032 **Design Consideration of New Insertion Devices of Hefei Light Source** – Q.K. Jia (USTC/NSRL)
- WEPD033 **Undulator Harmonic Field Enhancement Analysis** – Q.K. Jia (USTC/NSRL)

- WEPD034 **Controller of In-Vacuum Undulator for SSRF** – *M. Gu, Q. Yuan (SINAP)*
- WEPD035 **Mechanical Design of the Undulator for Compact THz Radiation Source based on FEL** – *J. Xiong (HUST)*
- WEPD036 **Magnet Sorting and Shimming for PAL-II In-Vacuum Undulator** – *H.S. Suh, H.S. Han, Y.-G. Jung, D.E. Kim, H.-G. Lee, K.-H. Park (PAL)*
- WEPD037 **Tolerance Study of the 0.1nm PAL XFEL Undulator System** – *J. Lee, M. Yoon (POSTECH)*
- WEPD038 **Insertion Devices for the MAX IV Light Source** – *E.J. Walén (MAX-lab)*
- WEPD039 **First Magnetic Tests of a Superconducting Damping Wiggler for the CLIC Damping Rings** – *D. Schoerling, M. Karppinen, R. Maccaferri (CERN) A. Ams (IMFD) A. Bernhard, P. Peiffer (KIT) R. Rossmanith (FZK)*
- WEPD040 **The Spectrum Property Analysis of Wiggler-like Undulator** – *S.D. Chen, T.M. Uen (NCTU) C.-S. Hwang (NSRRC)*
- WEPD041 **Auto-field Shimming Algorithm for Elliptical Polarized Undulator** – *C.M. Wu, C.-S. Hwang, F.-Y. Lin (NSRRC)*
- WEPD042 **Design and Development of a 4-m Long Elliptically Polarized Undulator for TPS** – *C. H. Chang, C.-H. Chang, H.-H. Chen, J.C. Huang, M.-H. Huang, C.-S. Hwang, F.-Y. Lin, C.M. Wu (NSRRC)*
- WEPD043 **The Development of Gradient Damping Wiggler for ALPHA Storage Ring** – *Z.W. Huang, D.J. Huang (NTHU) M.-H. Huang, C.-S. Hwang, C.Y. Kuo (NSRRC) S.-Y. Lee (IUCF)*
- WEPD044 **Modelling Synchrotron Radiation from Realistic and Ideal Long Undulator Systems** – *D. Newton (The University of Liverpool)*
- WEPD045 **The Rapid Calculation of Synchrotron Radiation Output from Long Undulator Systems** – *D. Newton (The University of Liverpool)*
- WEPD046 **Electron Beam Heating Effects in Superconducting Wigglers at Diamond Light Source** – *E.C.M. Rial, C.P. Bailey, A.F. Rankin, J.C. Schouten, R.P. Walker (Diamond)*
- WEPD047 **Development Status of a Superconducting Undulator for the APS*** – *E.R. Moog, K.D. Boerste, T.W. Buffington, D. Capatina, R.J. Dejus, C. Doose, Q.B. Hasse, Y. Ivanyushenkov, M.S. Jaski, M. Kasa, S.H. Kim, R. Kustom, E. Trakhtenberg, I. Vasserman, J.Z. Xu (ANL) N.A. Mezentsev, V.M. Syrovatin (BINP SB RAS)*
- WEPD048 **A Simple Model-based Magnet Sorting Algorithm for Planar Hybrid Undulators** – *G. Rakowsky (BNL)*
- WEPD049 **Progress and Future Plans on Insertion Device Related Activities at the NSLS-II** – *T. Tanabe, T.M. Corwin, D.A. Harder, P. He, G. Rakowsky, J. Rank, C.J. Spataro (BNL)*
- WEPD050 **Performance Evaluation of Undulator Radiation at CE-BAF** – *C. Liu (CASA) G.A. Krafft (JLAB)*

- WEPD051 **Ultrashort Electron Bunch Train Production by UV Laser Pulse Stacking** – *L.X. Yan, Q. Du, Y.-C. Du, Hua, J.F. Hua, W.-H. Huang, C.-X. Tang (TUB)*
- WEPD052 **Wavelength-tunable UV Laser for Electron Beam Generation with Low Intrinsic Emittance** – *C.P. Hauri, B. Beutner, H.-H. Braun, R. Ganter, C.H. Gough, R. Ischebeck, F. Le Pimpec, M. Paraliiev, C. Ruchert, T. Schietinger, B. Steffen, A. Trisorio, C. Vicario (PSI)*
- WEPD053 **First Results of the Daresbury Compton Backscattering Experiment** – *S.P. Jamison, P.J. Phillips, Y.M. Saveliev, S.L. Smith (STFC/DL/ASTeC) D.M. Graham (The University of Manchester, The Photon Science Institute) D. Laundry (STFC/DL) G. Priebe (MBI) E.A. Seddon (Manchester University)*
- WEPD054 **Novel Ultrafast Mid-IR Laser System** – *R. Tikhoplav, A.Y. Murokh (RadiaBeam) I. Jovanovic (Purdue University)*
- WEPD055 **Semi-nondestructive Monitoring System for High-energy Beam Transport Line at HIMAC** – *E. Takeshita, T. Furukawa, T. Inaniwa, Y. Iwata, K. Noda, S. Sato, T. Shirai (NIRS)*
- WEPD056 **Performance of the L-Band Electron Linac for Advanced Beam Sciences at Osaka University** – *G. Isoyama, K. Furuhashi, S. Kashiwagi, R. Kato, M. Morio, J. Shen, S. Suemine, N. Sugimoto, Y. Terasawa (ISIR)*
- WEPD057 **Linac Energy Management for LCLS** – *P. Chu, R.H. Iversen, P. Krejcik, D. Rogind, G.R. White, M. Woodley (SLAC)*
- WEPD058 **A High Power Fibre Laser for Electron Beam Emittance Measurements** – *L. Corner, L.J. Nevay (OXFORDphysics) L. Corner, R. Walczak (JAI)*
- WEPD059 **EMI Noise Suppression in the Klystron Pulse Power Supply for XFEL/SPring-8** – *C. Kondo, K. Shirasawa (JASRI/SPring-8) T. Inagaki, T. Sakurai, T. Shintake (RIKEN/SPring-8)*
- WEPD060 **Update of PF-AR Main Magnet Power Supplies** – *T. Ozaki, A. Akiyama, K. Harada, T. Kasuga, Y. Kobayashi, T. Miyajima, S. Nagahashi, T.T. Nakamura, M. Ono, T. Sueno (KEK)*
- WEPD061 **Application of Energy Storage System for the Accelerator Magnet Power Supply** – *H. Sato, t.s. Shintomi (KEK) T. Ise, Y. Miura (Osaka University, Graduate School of Engineering) S. Nomura, R. Shimada (RLNR)*
- WEPD062 **Magnetic Field Measurement and Ripple Reduction of Quadrupole Magnets of the J-PARC Main Ring** – *H. Someya, S. Igarashi (KEK) S. Nakamura (J-PARC, KEK & JAEA)*
- WEPD063 **Suppression Scheme of COD Variation Caused by Switching Ripple in J-PARC 3GeV Dipole Magnet Power Supply** – *Y. Watanabe (JAEA)*

- WEPD064 **New Multiconductor Transmission-line Theory and the Origin of Electromagnetic Noise** – *H. Toki, K. Sato (RCNP)*
- WEPD065 **Storage Ring Magnet Power Supply System at the PLS-II** – *S.-C. Kim, K.R. Kim, S.H. Nam, C.D. Park, Y.G. Son, C.W. Sung (PAL)*
- WEPD066 **ALBA Storage Ring Power Converters** – *M. Pont (CELLS-ALBA Synchrotron)*
- WEPD067 **ALBA Booster Power Converters** – *M. Pont (CELLS-ALBA Synchrotron)*
- WEPD068 **Septum and Kicker Magnets for the ALBA Synchrotron Light Source** – *M. Pont, R. Nunez (CELLS-ALBA Synchrotron) E. Huttel (KIT)*
- WEPD069 **Booster of the ALBA Synchrotron Light Source** – *M. Pont (CELLS-ALBA Synchrotron)*
- WEPD070 **High Precision Current Control for the LHC Main Power Converters** – *H. Thiesen, M.C. Bastos, G. Hudson, Q. King, V. Montabonnet, D. Nisbet, S.T. Page (CERN)*
- WEPD071 **A New Generation of Digital Power Supply Controllers** – *M. Emmenegger, H. Jaeckle, R. Kuenzi, S. Richner (PSI)*
- WEPD072 **Conductive EMI Test of Magnet Power Supply in NSRRC** – *Y.-H. Liu, J.-C. Chang, J.-R. Chen, C.-Y. Liu (NSRRC)*
- WEPD073 **TPS Corrector Magnet Power Converter** – *K.-B. Liu, K.T. Hsu, Y.D. Li, B.S. Wang (NSRRC) J.C. Hsu (CMS/ITRI)*
- WEPD074 **Design and Implementation of a Resonant DC Power Bus** – *C.-Y. Liu, Y.D. Li (NSRRC)*
- WEPD075 **TPS Magnet Power Supply System** – *K.-B. Liu, K.T. Hsu, Y.D. Li, B.S. Wang (NSRRC)*
- WEPD077 **The Fully Digital Controlled Corrector Magnet Power Converter** – *B.S. Wang, K.T. Hsu, Y.D. Li, K.-B. Liu (NSRRC)*
- WEPD078 **A Novel Digital Control System to Achieve High-resolution Current Regulation for DC/DC Converters at the APS** – *G. Feng, B. Deriy, T. Fors, J. Wang (ANL)*
- WEPD079 **Comparison among Eligible Topologies for Marx Klystron Modulators** – *G. Busatto, C. Abbate, F. Iannuzzo, C.E. Pagliarone (University of Cassino) F. Bedeschi, G.M. Piacentino (INFN-Pisa)*
- WEPD080 **Compact Klystron Modulator for XFEL/SPring-8** – *T. Shintake, T. Inagaki, C. Kondo, T. Sakurai, K. Shirasawa (RIKEN/SPring-8)*
- WEPD081 **Long-pulse Modulator Development for the Superconducting RF Test Facility (STF) at KEK** – *M. Akemoto, S. Fukuda, H. Honma, H. Nakajima, T. Shidara (KEK)*
- WEPD082 **The Kicker System for the Fast Extraction Beamline at the J-PARC Main Ring** – *K. Koseki, T. Sekiguchi (KEK) K. Otsuka (Nippon Advanced Technology Co. Ltd.)*
- WEPD083 **Novel Switching Power Supply for Future Pulse Devices** – *K. Okamura, K. Takayama, M. Wake (KEK) K. Ise, K. Takaki, H. Tanaka (Iwate university) W. Jiang (Nagaoka University of Technology)*
contribution withdrawn

- WEPD084 **Common Mode Analysis for the Bridged-T Network Lumped Kicker** – *T. Oki (Tsukuba University)*
- WEPD085 **Design of the Pulse Bending Magnet for Switching the Painting Areas of the MLF and MR at 25Hz in J-PARC 3-GeV RCS** – *T. Takayanagi, M. Kinsho, P.K. Saha, T. Togashi, T. Ueno, M. Watanabe, Y. Yamazaki, M. Yoshimoto (JAEA/J-PARC) H. Fujimori (J-PARC, KEK & JAEA) Y. Irie (KEK)*
- WEPD086 **Operation of Kicker System using Thyatron of the 3 GeV Rapid Cycling Synchrotron of J-PARC** – *M. Watanabe, J. Kamiya, K. Suganuma, T. Takayanagi, N. Tani, T. Togashi, T. Ueno, Y. Watanabe (JAEA/J-PARC)*
- WEPD087 **Design, Manufacturing and Testing of CTF3 Tail Clipper Kicker** – *I. Rodriguez, F. Toral (CIEMAT) M.J. Barnes, T. Fowler, G. Ravida (CERN)*
- WEPD088 **Beam-Based Measurement of the Waveform of the LHC Injection Kickers** – *M.J. Barnes, L. Ducimetière, B. Goddard, C. Hessler, V. Mertens, J.A. Uythoven (CERN)*
- WEPD089 **CLIC Pre-Damping and Damping Ring Kickers: Initial Ideas to Achieve Stability Requirements** – *M.J. Barnes, L. Ducimetière, J.A. Uythoven (CERN)*
- WEPD090 **Design Concepts for RF-DC Conversion in Particle Accelerator Systems** – *F. Caspers, A. Grudiev, M.M. Paoluzzi (CERN)*
- WEPD091 **The Kicker Systems for the PS Multi-turn Extraction** – *L. Sermeus, M.J. Barnes, T. Fowler (CERN)*
- WEPD092 **The Beam Dilution Kickers of the LHC Beam Dump System** – *L. Ducimetière, E. Carlier, F. Castronuovo (CERN)*
- WEPD093 **Upgrade of the Super Proton Synchrotron Vertical Beam Dump System** – *V. Senaj, L. Ducimetière, E. Vossenberg (CERN)*
- WEPD094 **Performance of a PFN Kicker Power Supply for TPS Project** – *K.L. Tsai, C.-S. Fann, K.T. Hsu, S.Y. Hsu, K.-K. Lin, K.-B. Liu (NSRRC) Y.-C. Liu (National Tsing-Hua University)*
- WEPD095 **The Development of a Fast Beam Chopper for Next Generation High Power Proton Drivers** – *M.A. Clarke-Gayther (STFC/RAL/ISIS)*
- WEPD096 **Solid-State Tetrode Test Stand** – *M.K. Kempkes, M.P.J. Gaudreau, R.A. Phillips, K. Schrock (Diversified Technologies, Inc.)*
- WEPD097 **A Klystron Power System for the ISIS Front End Test Stand** – *M.K. Kempkes, R. Ciprian, M.P.J. Gaudreau, T.H. Hawkey, K. Schrock (Diversified Technologies, Inc.)*
- WEPD098 **Fast Kickers for the Next Generation Light Source** – *G.C. Pappas (LBNL)*
- WEPD099 **Secondary Electron Trajectories in High-gradient Vacuum Insulators with Fast High-voltage Pulses** – *Y.-J. Chen, D.T. Blackfield, G.J. Caporaso, S.D. Nelson, B. R. Poole (LLNL)*

- WEPD100 **Compact, Intelligent, Digitally Controlled IGBT Gate Drivers for a PEBB-based ILC Marx Modulator** – *M.N. Nguyen, C. Burkhart, K.J.P. Macken, J.J. Olsen (SLAC)*
- WEPD101 **Latest IGBT Gate Driver for the HVCM at SNS** – *D.J. Solley, D.E. Anderson, M. Wezensky (ORNL) C. Burkhart, M.A. Kemp, M.N. Nguyen (SLAC)*
- WEPD102 **AGS Tune Jump Power Supply Design and Test** – *J.-L. Mi, W. Fu, J.W. Glenn, H. Huang, C.J. Liaw, W. Meng, P.J. Rosas, J. Sandberg, Y. Tan, W. Zhang (BNL)*

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|------------------------------|---------------|--------|---------------|
| 26-May-10 | 16:00 – 18:00 | Poster | Poster Hall E |
| WEPE — Poster Session | | | |

- WEPE001 **Optics Studies for the Interaction Region of the International Linear Collider** – *R. Versteegen, O. Delferriere, O. Napolj, J. Payet, D. Uriot (CEA)*
- WEPE002 **Time Evolution of Ground Motion-dependent Depolarisation at Linear Colliders** – *A.F. Hartin (DESY)*
- WEPE003 **Design of an 18 MW Beam Dump for 500 GeV Electron/Positron Beams at an ILC** – *P. Satyamurthy, K. Kulkarni, P. Rai, V. Tiwari (BARC) J.W. Amann, R. Arnold, A. Seryi, D.R. Walz (SLAC)*
- WEPE004 **High Gradient Behaviors of Large Grain ICHIRO Single Cell Cavity by Chemical Polishing** – *F. Furuta, T. Konomi, K. Saito (KEK)*
- WEPE005 **High Field Q-slope Problem in End Group Cavities** – *F. Furuta, T. Konomi, K. Saito (KEK)*
- WEPE006 **Vacuum Evacuation Effect on ICHIRO 9-cell Cavities during Vertical Test** – *F. Furuta, T. Konomi, K. Saito (KEK)*
- WEPE007 **Simulation Study of Scale Error Effect of BPM in ILC Main Linac Corrections** – *K. Kubo (KEK)*
- WEPE008 **Construction of the S1-Global Cryomodules for ILC** – *N. Ohuchi, H. Hayano, N. Higashi, E. Kako, Y. Kondou, H. Nakai, S. Noguchi, M. Satoh, T. Shidara, T. Shishido, A. Terashima, K. Tsuchiya, K. Watanabe, A. Yamamoto, Y. Yamamoto (KEK) T.T. Arkan, S. Barbanotti, H. Carter, M.S. Champion, R.D. Kephart, J.S. Kerby, D.V. Mitchell, Y. Orlov, T.J. Peterson, M.C. Ross (Fermilab) A. Bosotti, C. Pagani, P. Pierini (INFN/LASA) D. Kostin, L. Lilje, A. Matheisen, W.-D. Moeller, H. Weise (DESY)*
- WEPE009 **Application of MO Sealing for SRF Cavities** – *K. Saito, F. Furuta, T. Konomi (KEK)*
- WEPE010 **Improvements of Cleaning Methods for High Q-slope Problem in Full End Single Cell Cavity** – *K. Saito, F. Furuta, T. Konomi (KEK)*
- WEPE011 **Large Grain 9-cell Cavities R&D at KEK** – *K. Saito, F. Furuta, T. Konomi (KEK)*
- WEPE012 **Summary of Vertical Tests for S1-Global Project in KEK-STF** – *Y. Yamamoto, H. Hayano, E. Kako, S. Noguchi, M. Sato, T. Shishido, K. Umemori, K. Watanabe (KEK)*

- WEPE013 **Summary of Results and Development of Online Monitor for T-mapping/X-ray-mapping in KEK-STF** – *Y. Yamamoto, H. Hayano, E. Kako, S. Noguchi, M. Sato, T. Shishido, K. Umemori, K. Watanabe (KEK)*
- WEPE014 **Design and Model Cavity Test of the Demountable Damped Cavity** – *T. Konomi (Sokendai) F. Furuta, K. Saito (KEK)*
- WEPE015 **Status of the Superconducting Cavity Development for ILC at MHI** – *K. Sennyu, H. Hara, H. Hitomi, K. Kanaoka, M. Matsuoka, T. Yanagisawa (MHI)*
- WEPE016 **A 200 keV Polarized Electron Gun System for International Linear Collider** – *T. Nakanishi, M. Kuwahara, S. Okumi, N. Yamamoto (Nagoya University) F. Furuta, H. Matsumoto, M. Yamamoto, M. Yoshioka (KEK) T. Konomi (Sokendai) M. Kuriki (HU/AdSM)*
- WEPE017 **Beam Test Plan of Permanent Magnet Quadrupole LENS at ATF2** – *Y. Iwashita, H. Fujisawa, M. Ichikawa, H. Tongu (Kyoto ICR) M. Masuzawa, T. Tauchi (KEK)*
- WEPE018 **ILC Siting in Dubna Region (Russia) and ILC Related Activity at JINR** – *G. Shirkov, Ju. Boudagov, Yu.N. Denisov, A. Dudarev, A.N. Sissakian, G.V. Trubnikov (JINR)*
- WEPE019 **The CLIC Post-Collision Line** – *E. Gschwendtner, A. Apyan, K. Elsener, J.A. Uythoven (CERN) R. Appleby, M.D. Salt (UMAN) A. Ferrari, V.G. Ziemann (Uppsala University)*
- WEPE020 **Background in the Interaction Point from the Post-Collision Line** – *E. Gschwendtner, K. Elsener (CERN) R. Appleby, M.D. Salt (UMAN) A. Apyan (Fermilab) A. Ferrari (Uppsala University)*
- WEPE021 **Assessing Risk in Costing High-energy Accelerators: from Existing Projects to the Future Linear Collider** – *P.H. Garbincius (Fermilab) P. Lebrun (CERN)*
- WEPE022 **CLIC Energy Scans** – *D. Schulte, R. Corsini, J.-P. Delahaye, S. Doebert, A. Grudiev, J.B. Jeanneret, E. Jensen, P. Lebrun, Y. Papaphilippou, L. Rinolfi, G. Rumolo, H. Schmickler, F. Stulle, I. Syratchev, R. Tomas, W. Wuensch (CERN) E. Adli (University of Oslo)*
- WEPE023 **Impact of Dynamic Magnetic Fields on the CLIC Main Beam** – *J. Snuverink, J.B. Jeanneret, D. Schulte, F. Stulle (CERN) C. Jach (Fermilab)*
- WEPE024 **Vacuum Specifications for the CLIC Main Linac** – *G. Rumolo, J.B. Jeanneret, D. Schulte (CERN)*
- WEPE025 **Beam-beam Background in CLIC in Presence of Imperfections** – *B. Dalena, D. Schulte (CERN)*
- WEPE026 **A New High-power RF Device to Vary the Output Power of CLIC Power Extraction and Transfer Structures (PETS)** – *I. Syratchev, A. Cappelletti (CERN)*
- WEPE027 **Progress towards the CLIC Feasibility Demonstration in CTF3** – *P.K. Skowronski, S. Bettoni, R. Corsini, S. Doebert, F. Tecker (CERN)*

- WEPE028 **CLIC BDS Tuning, Alignment and Feedbacks Integrated Simulations** – R. Tomas, B. Dalena, E. Marin, J. Pfingstner, D. Schulte, J. Snuverink (CERN) J.K. Jones (Cockcroft Institute) A. Latina (Fermilab) J. Resta-López (JAI) G.R. White (SLAC)
- WEPE029 **Impact of the Experiment Solenoid on the CLIC Luminosity** – B. Dalena, D. Schulte, R. Tomas (CERN)
- WEPE030 **The CLIC Beam Delivery System towards the Conceptual Design Report** – R. Tomas, B. Dalena, E. Marin, D. Schulte, G. Zamudio (CERN) D. Angal-Kalinin, J.-L. Fernandez-Hernando, F. Jackson (Cockcroft Institute) J. Resta-López (JAI) A. Seryi (SLAC)
- WEPE031 **BDS Dogleg Design and Integration for the International Linear Collider** – J.K. Jones, D. Angal-Kalinin (STFC/DL/ASTeC)
- WEPE032 **Recent Progress on Damped and Detuned Wakefield Suppression for CLIC with Minimised Pulsed Surface Temperature Heating** – V.F. Khan, A. D'Elia, R.M. Jones (UMAN) A. Grudiev, W. Wuensch, R. Zennaro (CERN)
- WEPE033 **Considerations of a Dielectric-based Two-beam-accelerator Linear Collider** – W. Gai, M.E. Conde, J.G. Power (ANL) C.-J. Jing (Euclid TechLabs, LLC)
- WEPE034 **Final Results on RF Kick and Wake Caused by the RF Couplers** – A. Lunin, A. Latina, N. Solyak, V.P. Yakovlev (Fermilab)
- WEPE035 **Development of High Average Power Lasers for the Photon Collider** – J. Gronberg, B. Stuart (LLNL) A. Seryi (SLAC)
- WEPE036 **ATF2 Final Focus Optics Tuning Knobs** – M.-H. Wang, A. Seryi, G.R. White, M. Woodley (SLAC)
- WEPE037 **Optimization of Dynamic Aperture of PEP-X Storage Ring** – M.-H. Wang, Y. Cai, Y. Nosochkov (SLAC)
- WEPE038 **Beam-Based Alignment, Orbit Steering and Feedback Design and Operational Experience for ATF2** – G.R. White (SLAC) Y. Renier (LAL)
- WEPE039 **A Bunching System for the CLIC Polarized Electron Source** – F. Zhou, A. Brachmann, J. Sheppard (SLAC)
- WEPE040 **Polarized Photocathode Developments at SLAC Injector Test Facility** – F. Zhou, A. Brachmann, T.V.M. Maruyama, J. Sheppard (SLAC)
- WEPE041 **A Superconducting Magnet Upgrade of the ATF2 Final Focus** – B. Parker, M. Anerella, J. Escallier, P. He, A.K. Jain, A. Marone, P. Wanderer, K.-C. Wu (BNL) P. Bambade (LAL) B. Bolzon, A. Jeremie (IN2P3-LAPP) P.A. Coe, D. Urner (OXFORDphysics) C. Hauviller, E. Marin, R. Tomas, F. Zimmermann (CERN) N. Kimura, K. Kubo, T. Kume, S. Kuroda, T. Okugi, T. Tauchi, N. Terunuma, T. Tomaru, K. Tsuchiya, J. Urakawa, A. Yamamoto (KEK) A. Seryi, C.M. Spencer, G.R. White (SLAC)

- WEPE042 **Status of MICE, the international Muon Ionisation Cooling Experiment** – V.C. Palladino (INFN-Napoli) A. Alekou (Imperial College of Science and Technology, Department of Physics)
- WEPE043 **Study for a Racetrack FFAG based Muon Ring Cooler** – A. Sato (Osaka University)
- WEPE044 **Demonstration of Phase Rotation using Alpha Particles in the Six-sector PRISM-FFAG** – A. Sato, M. Aoki, Y. Arimoto, T. Itahashi, Y. Kuno, M.Y. Yoshida (Osaka University) Y. Iwashita (Kyoto ICR) Y. Kuriyama, Y. Mori (KURRI) A. Kurup (Imperial College of Science and Technology, Department of Physics) C. Ohmori (KEK/JAEA)
- WEPE045 **Development of a Superfluid Helium Wedge Absorber** – A. Sato (Osaka University) S. Ishimoto (KEK)
- WEPE046 **G4beamline Simulation for the COMET Solenoid Channel** – A. Sato (Osaka University)
- WEPE047 **Frictional Cooling for a Slow Muon Beam** – Y. Bao (IHEP Beijing) A. Caldwell, G.X. Xia (MPI-P) D.E. Greenwald (MPI für Physics)
- WEPE048 **Further Study of Muon Ionization Cooling Process** – T.V. Zolkin, A.N. Skrinsky (BINP SB RAS)
- WEPE049 **Comparison of Physics Reach Between MICE Step V and MICE Step VI** – C.T. Rogers (STFC/RAL/ASTeC)
- WEPE050 **Muon Front End for the Neutrino Factory International Design Study** – C.T. Rogers (STFC/RAL/ASTeC) D.V. Neuffer (Fermilab) G. Prior (CERN) M.S. Zisman (LBNL)
- WEPE051 **Muon Cooling Performance in Various Neutrino Factory Cooling Cell Configurations using G4MICE** – A. Alekou, J. Pasternak (Imperial College of Science and Technology, Department of Physics) C.T. Rogers (STFC/RAL/ASTeC)
- WEPE052 **The MICE Muon Beamline Optimisation and Emittance Generation** – M. Apollonio (Imperial College of Science and Technology, Department of Physics) M.A. Rayner (OXFORDphysics)
- WEPE053 **Muon Beam Monitoring in a Neutrino Factory Decay Ring** – M. Apollonio (Imperial College of Science and Technology, Department of Physics) A.P. Blondel (DPNC) D.J. Kelliher (STFC/RAL/ASTeC)
- WEPE054 **The MICE Muon Beam: Status and Progress** – A.J. Dobbs, M. Apollonio, J. Pasternak (Imperial College of Science and Technology, Department of Physics) D.J. Adams (STFC/RAL/ISIS)
- WEPE055 **The COherent Muon to Electron Transition (COMET) Experiment** – A. Kurup (Imperial College of Science and Technology, Department of Physics) A. Kurup (Fermilab)
- WEPE056 **Accelerator and Particle Physics Research for the Next Generation Muon to Electron Conversion Experiment - the PRISM Task Force** – J. Pasternak, L.J. Jenner, Y. Uchida (Imperial College of Science and Technology, Department of Physics) R.J. Barlow (UMAN) K.M. Hock, B.D. Muratori (Cockcroft Institute) D.J. Kelliher, S. Machida, C.R. Prior

(STFC/RAL/ASTeC) Y. Kuno, A. Sato (Osaka University) A. Kurup (Fermilab) J.-B. Lagrange, Y. Mori (KURRI) M. Lancaster (UCL) S.A. Martin (FZJ) C. Ohmori (KEK/JAEA) J. Pasternak (STFC/RAL) S.L. Smith (STFC/DL/ASTeC) H. Witte, T. Yokoi (JAI)

- WEPE057 **Injection/Extraction System of the Muon FFAG for the Neutrino Factory** – J. Pasternak, M. Aslaninejad (Imperial College of Science and Technology, Department of Physics) J.S. Berg (BNL) D.J. Kelliher, S. Machida (STFC/RAL/ASTeC) J. Pasternak (STFC/RAL) H. Witte (JAI)
- WEPE058 **Effect of Chromaticity Correction, Field Errors and Magnet Misalignments on the Beam Dynamics in the Muon FFAG for the Neutrino Factory** – J. Pasternak, M. Aslaninejad (Imperial College of Science and Technology, Department of Physics) J.S. Berg (BNL) D.J. Kelliher, S. Machida (STFC/RAL/ASTeC) F. Meot (CEA) J. Pasternak (STFC/RAL) H. Witte (JAI)
- WEPE059 **Injection and Broadband Matching for the PRISM Muon FFAG** – J. Pasternak (Imperial College of Science and Technology, Department of Physics) A. Kurup (Fermilab) J. Pasternak (STFC/RAL) A. Sato (Osaka University)
- WEPE060 **Investigation of Beam Loading Effects for the Neutrino Factory Muon Accelerator** – J.K. Pozimski, M. Aslaninejad, C. Bontoiu, J. Pasternak (Imperial College of Science and Technology, Department of Physics) J.S. Berg (BNL) S.A. Bogacz (JLAB) S. Machida (STFC/RAL/ASTeC)
- WEPE061 **Measurements of Muon Beam Properties in MICE** – M.A. Rayner, J.H. Cobb (OXFORDphysics)
- WEPE062 **MICE Target Operation and Monitoring** – P. Hodgson, C.N. Booth, P.J. Smith (Sheffield University)
- WEPE063 **The MICE Target** – P. Hodgson, C.N. Booth, P.J. Smith (Sheffield University) J.S. Tarrant (STFC/RAL)
- WEPE064 **Low-beta FOFO Snake for 6D Ionization Cooling of Muons** – Y. Alexahin (Fermilab)
- WEPE065 **The US Muon Accelerator Program** – A.D. Bross, S. Geer, V.D. Shiltsev (Fermilab) H.G. Kirk (BNL) M.S. Zisman (LBNL)
- WEPE066 **Beam Test of a High Pressure Cavity for a Muon Collider** – M. Chung, A. Jansson, A.V. Tollestrup, K. Yonehara (Fermilab) R.P. Johnson (Muons, Inc) A. Kurup (Imperial College of Science and Technology, Department of Physics)
- WEPE067 **Beam-induced Electron Loading Effects in High Pressure Cavities for a Muon Collider** – M. Chung, A. Jansson, A.V. Tollestrup, K. Yonehara (Fermilab) Z. Insepov (ANL) R.P. Johnson (Muons, Inc)
- WEPE068 **Muon Capture Studies for a Neutrino Factory or Muon Collider** – D.V. Neuffer (Fermilab) M. Martini, G. Prior (CERN) C.T. Rogers (STFC/RAL/ASTeC) C. Y. Yoshikawa (Muons, Inc)

- WEPE069 **Electronegative Dopant Gases in Hydrogen Pressurized RF Cavities** – K. Yonehara, M. Chung, M. Hu, A. Jansson, A. Moretti, M. Popovic, A.V. Tollestrup (Fermilab) M. Alsharo'a, R.P. Johnson, M.L. Neubauer (Muons, Inc) D. Huang (IIT) Z. Insepov (ANL) D. Rose (Voss Scientific)
- WEPE070 **Stopping Muon Beams** – C.M. Ankenbrandt, R.J. Abrams, M.A.C. Cummings, R.P. Johnson, C. Y. Yoshikawa (Muons, Inc) D.V. Neuffer, M. Popovic (Fermilab)
- WEPE071 **Integrated Low Beta Region Muon Collider Detector Design** – M.A.C. Cummings (Muons, Inc) D. Hedin (Northern Illinois University)
- WEPE072 **Incorporating RF into a Muon Helical Cooling Channel** – S.A. Kahn, M.L. Neubauer (Muons, Inc)
- WEPE073 **Quasi-isochronous Muon Collection Channels** – C. Y. Yoshikawa, C.M. Ankenbrandt (Muons, Inc) D.V. Neuffer (Fermilab)
- WEPE074 **A Possible HPRF Linear Cooling Channel for a Neutrino Factory** – M.S. Zisman (LBNL) J.C. Gallardo (BNL)
- WEPE075 **Large-Acceptance Linac for Accelerating Low-Energy Muons** – S.S. Kurennoy, A.J. Jason, H.M. Miyadera (LANL)
- WEPE076 **Simulation of Large Acceptance Muon Linac** – H.M. Miyadera, A.J. Jason, S.S. Kurennoy (LANL)
- WEPE077 **Muon Collider Final Focus with High-gradient Permanent Magnet Quadrupoles** – G. Andonian (RadiaBeam) G. Andonian, E.H. O'Shea, J.B. Rosenzweig (UCLA)
- WEPE078 **The MERIT High-power-target Experiment at CERN** – K.T. McDonald (PU) J.R.J. Bennett (STFC/RAL/ASTeC) O. Caretta, P. Loveridge (STFC/RAL) A.J. Carroll, V.B. Graves, P.T. Spampinato (ORNL) I. Efthymiopoulos, F. Haug, J. Lettry, M. Palm, H. Pereira (CERN) A. Fabich (EBG MedAustron) H.G. Kirk, H. Park, T. Tsang (BNL) N.V. Mokhov, S.I. Striganov (Fermilab) P.H. Titus (PPPL)
- WEPE079 **Particle Production in the MICE Beamline** – L. Coney (UCR)
- WEPE080 **Six-Dimensional Cooling Lattice Studies for the Muon Collider** – P. Snopok, G.G. Hanson (UCR)
- WEPE081 **Wedge Absorber Design Approaches and Simulations for MICE** – P. Snopok, L. Coney (UCR) C.T. Rogers (STFC/RAL/ASTeC)
- WEPE082 **Final Lattice Design for the Non-scaling FFAG in the International Design Study of the Neutrino Factory** – J.S. Berg (BNL) M. Aslaninejad, J. Pasternak (Imperial College of Science and Technology, Department of Physics) D.J. Kelliher, S. Machida (STFC/RAL/ASTeC)
- WEPE083 **Lattice Design of a Hybrid Lattice of Fast Ramping and Superconducting Magnets for Muon Acceleration** – J.S. Berg (BNL) A.A. Garren (UCLA) D.J. Summers (UMiss)
- WEPE084 **Muon Acceleration with RLA and Non-scaling FFAG Arcs** – D. Trbojevic (BNL) S.A. Bogacz (JLAB) V. Morozov (ODU)

- WEPE085 **Parameter Scan for the CLIC Damping Rings under the Influence of Intrabeam Scattering** – *F. Antoniou (National Technical University of Athens) Y. Papaphilippou, A. Vivoli (CERN)*
- WEPE086 **A Low Emittance Lattice for the International Linear Collider 3 km Damping Ring** – *S. Guiducci, M.E. Biagini (INFN/LNF)*
- WEPE087 **RF Accelerating Structure for the Damping Ring of the SuperKEKB Injector** – *T. Abe, T. Kageyama, H. Sakai, Y. Takeuchi, K. Yoshino (KEK)*
- WEPE088 **A New Design for ILC 3.2 km Damping Ring** – *D. Wang, J. Gao, Y. Wang (IHEP Beijing)*
- WEPE089 **Design Optimisation for the CLIC Damping Rings** – *Y. Papaphilippou, F. Antoniou, M.J. Barnes, S. Bettoni, S. Calatroni, R. Corsini, A. Grudiev, R. Maccaferri, M. Modena, L. Rinolfi, G. Rumolo, D. Schoerling, D. Schulte, A. Vivoli (CERN) E.B. Levichev, S.V. Sinyatkin, P. Vobly, K. Zolotarev (BINP SB RAS)*
- WEPE090 **Intra-Beam Scattering in the CLIC Damping Rings** – *A. Vivoli, M. Martini (CERN)*
- WEPE091 **The Swiss Light Source - a "Test-bed" for Damping Ring Optimization** – *M. Böge, M. Aiba, A. Luedeke, N. Milas, A. Streun (PSI)*
- WEPE092 **Mechanical and Vacuum Design of Wiggler Section of ILC DR** – *O.B. Malyshev (STFC/DL/ASTeC) N.A. Collomb, J.M. Lucas, S. Postlethwaite (STFC/DL) M. Korostelev (The University of Liverpool) A. Wolski (Cockcroft Institute) K. Zolotarev (BINP SB RAS)*
- WEPE093 **Study of Ion Induced Pressure Instability in the ILC Positron Damping Ring** – *O.B. Malyshev (STFC/DL/ASTeC)*
- WEPE094 **SR Power Distribution along Wiggler Section of ILC DR** – *O.B. Malyshev (STFC/DL/ASTeC) N.A. Collomb, J.M. Lucas, S. Postlethwaite (STFC/DL) M. Korostelev (The University of Liverpool) A. Wolski (Cockcroft Institute) K. Zolotarev (BINP SB RAS)*
- WEPE095 **Impedance and Single-bunch Instabilities in the ILC Damping Ring** – *M. Korostelev, O.B. Malyshev, A. Wolski (Cockcroft Institute) N.A. Collomb, J.M. Lucas, S. Postlethwaite (STFC/DL) A.J.P. Thorley (The University of Liverpool)*
- WEPE096 **Lattice Design of the 6.4 km ILC Damping Ring** – *M. Korostelev, A. Wolski (Cockcroft Institute)*
- WEPE097 **Recommendation for the Feasibility of a 3 km ILC Damping Ring** – *M.T.F. Pivi, L. Wang (SLAC) C.M. Celata, M.A. Furman, M. Venturini (LBNL) J.A. Crittenden, G. Dugan, M.A. Palmer (CLASSE) T. Demma, S. Guiducci (INFN/LNF) K.C. Harkay (ANL) O.B. Malyshev (Cockcroft Institute) K. Ohmi, K. Shibata, Y. Suetsugu (KEK) Y. Papaphilippou, G. Rumolo (CERN)*
- WEPE098 **Optimal Pion Production Target Shapes for the Neutrino Factory** – *S.J. Brooks (STFC/RAL/ASTeC)*

- WEPE099 **Thermal and Mechanical Effects of a CLIC Bunch Train Hitting a Beryllium Collimator** – *J.-L. Fernandez-Hernando (STFC/DL/ASTeC)*
- WEPE100 **Dielectric Collimators for Linear Collider Beam Delivery System** – *A. Kanareykin, P. Schoessow (Euclid Tech-Labs, LLC) R. Tomas (CERN)*
- WEPE101 **A 4MW Target Station for a Muon Collider** – *H.G. Kirk (BNL) V.B. Graves (ORNL) K.T. McDonald (PU)*

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| 27-May-10 | 16:00 – 18:00 | Poster | Event Hall, Poster Area A |
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| THPEA — Poster Session |
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- THPEA001 **Fabrication and Installation of Radio Frequency System for K500 Superconducting Cyclotron at Kolkata** – *M. Ahammed, R.K. Bhandari, P. Bhattacharyya, J. Chaudhuri, M.K. Dey, A. Dutta Gupta, B.C. Mandal, B. Manna, S. Murali, S. Saha, S.K. Singh, S. Sur (DAE/VECC)*
- THPEA002 **RF Systems of the VEC-RIB Facility** – *H.K. Pandey, A. Bandyopadhyay, A. Chakrabarti, S. Dechoudhury, D.P. Dutta, T.K. Mandi, V. Naik (DAE/VECC)*
- THPEA003 **An Analytical Formulation for Prediction of Geometrical Dimensions of a Photocathode Gun for Desired RF Properties** – *S. Lal, K.K. Pant (RRCAT) S. Krishnagopal (BARC)*
- THPEA004 **Design of 50 kW, 350 MHz Pulsed Power Coaxial Coupler Assembly** – *R. Kumar, P. Singh (BARC)*
- THPEA005 **Operating Experience of the 10 MeV Industrial RF Electron Linac at EBC, Navi Mumbai** – *D. Bhattacharjee, R. Barnwal, S. Chandan, R.B. Chavan, K. Dixit, K.C. Mittal, V.T. Nimje, V. Yadav (BARC-EBC) A.P. Bhagwat, S.Y. Kulkarni (SAMEER) D.P. Chakravarthy, A.R. Chindarkar, L.M. Gantayet, S.R. Ghodke, D. Jayaprakash, M.K. Kumar, A.R. Tillu (BARC)*
- THPEA006 **Beam Energy Upgrade of the Frascati SPARC Photo-Injector with a C-band RF System** – *R. Boni, D. Alesini, M. Bellaveglia, G. Di Pirro, M. Ferrario, L. Ficcadenti, A. Gallo, F. Marcellini, E. Pace, B. Spataro, C. Vaccarezza (INFN/LNF) A. Bacci (Istituto Nazionale di Fisica Nucleare) A. Mostacci, L. Palumbo (Rome University La Sapienza)*
- THPEA007 **The Injection System of the INFN-SuperB Factory Project: Preliminary Design** – *R. Boni, S. Guiducci, M.A. Preger, P. Raimondi (INFN/LNF) A. Chancé (CEA) O. Dadoun, F. Poirier, A. Variola (LAL) J. Seeman (SLAC)*
- THPEA008 **Experimental Characterization of the RF Gun Prototype for the SPARX-FEL Project** – *L. Faillace, L. Palumbo (Rome University La Sapienza) P. Frigola (RadiaBeam) A. Fukasawa, B. D. O'Shea, J.B. Rosenzweig (UCLA) B. Spataro (INFN/LNF)*
- THPEA009 **Construction Status of C-band Main Accelerator for XFEL/SPring-8** – *T. Inagaki, N. Adumi, T. Hasegawa, H. Maesaka, S. Matsui, T. Sakurai, T. Shintake (RIKEN/SPring-8) H. Kimura, C. Kondo, K. Shirasawa (JASRI/SPring-8)*

- THPEA010 **High Power RF Test on the Mass-produced C-band RF Components for XFEL/SPring-8.** – T. Sakurai, T. Inagaki, C. Kondo, T. Shintake, K. Shirasawa (RIKEN/SPring-8) S. Suzuki (JASRI/SPring-8)
- THPEA011 **Simulation of Magnetic Alloy Loaded RF Cavity and HOM Analysis** – K. Hasegawa, K. Hara, C. Ohmori, M. Tada, M. Yoshii (KEK) M. Nomura, A. Schnase, F. Tamura, M. Yamamoto (JAEA/J-PARC)
- THPEA012 **Various Observables of TW Accelerator Structures Operating 100MV/m or Higher at X-band Facility, Next of KEK** – T. Higo, T. Abe, M. Akemoto, S. Fukuda, N. Higashi, Y. Higashi, N.K. Kudo, S. Matsumoto, T. Shidara, T. Takatomi, K. Ueno, Y. Watanabe, K. Yokoyama, M. Yoshida (KEK)
- THPEA013 **Advances in X-band TW Accelerator Structures Operating in the 100 MV/m Regime** – T. Higo, Y. Higashi, S. Matsumoto, K. Yokoyama (KEK) C. Adolphsen, V.A. Dolgashev, A. Jensen, L. Laurent, S.G. Tantawi, F. Wang, J.W. Wang (SLAC) S. Doebert, A. Grudiev, G. Riddone, W. Wuensch, R. Zennaro (CERN)
- THPEA014 **TE₁₁/TM₁₁ Mixed-mode Waveguide Valve at X-band** – S. Kazakov, T. Higo, S. Matsumoto (KEK)
- THPEA015 **L-band Accelerator System in KEKB Injector Linac** – S. Matsumoto, M. Akemoto, T. Higo, H. Honma, K. Kakihara, T. Kamitani, H. Nakajima, K. Nakao, Y. Ogawa, Y. Yano, M. Yoshida (KEK)
- THPEA016 **Developments of Magnetic Alloy Cores with Higher Impedance for J-PARC Upgrade** – C. Ohmori, K. Hasegawa, A. Takagi (KEK) K. Hara, T. Shimada, H. Suzuki, M. Tada, M. Yoshii (KEK/JAEA) M. Nomura, A. Schnase, F. Tamura, M. Yamamoto (JAEA/J-PARC)
- THPEA017 **A Magnetic Alloy loaded RF Cavity System for EMMA** – C. Ohmori (KEK) J.S. Berg (BNL)
- THPEA018 **Study of RF Breakdowns with Narrow Waveguide** – K. Yokoyama, S. Fukuda, Y. Higashi, T. Higo, S. Matsumoto (KEK)
- THPEA019 **Thermal Deformation of Magnetic Alloy Cores for J-PARC RCS RF Cavities** – T. Shimada (KEK/JAEA) K. Hara, K. Hasegawa, C. Ohmori, M. Tada, M. Yoshii (KEK) M. Nomura, A. Schnase, H. Suzuki, F. Tamura, M. Yamamoto (JAEA/J-PARC)
- THPEA020 **Design of an RF Input coupler for the IFMIF/EVEDA RFQ Linac** – S. Maebara (JAEA)
- THPEA021 **Development and Mass Production of C-band RF Pulse Compressor** – K. Okihira, F. Inoue, S. Miura (MHI) T. Inagaki, H. Maesaka, T. Shintake (RIKEN/SPring-8)
- THPEA022 **Condition of MA Cores in the RF Cavities of J-PARC Synchrotrons after Several Years of Operation** – M. Nomura, A. Schnase, T. Shimada, H. Suzuki, F. Tamura, M. Yamamoto (JAEA/J-PARC) E. Ezura, K. Hara, C. Ohmori, M. Tada, M. Yoshii (KEK/JAEA) K. Hasegawa, K. Takata (KEK)

- THPEA023 **Drift Tube Linac Cavity with Space-saving Amplifier Coupling of New Injector for RI-Beam Factory** – K. Suda, S. Arai, Y. Chiba, O. Kamigaito, M. Kase, N.S. Sakamoto, K. Yamada (RIKEN Nishina Center)
- THPEA024 **Duct-Shaped SiC Dummy Load of L-band Power Distribution System for XFEL/SPRING-8** – J. Watanabe, S. Kimura, K. Sato (Toshiba) T. Asaka, H. Ego, H. Hanaki (JASRI/SPRING-8)
- THPEA025 **HOM Characteristics Measurement of Mini-LIA Cavity** – C. Cheng (TUB)
- THPEA026 **Investigation of the Genetic Algorithm in the Diagnosis of the Coupled Cavity Chain** – Q.Z. Xing, D.C. Tong (TUB)
- THPEA027 **Study on Frequency Change by 3D Reconstruction of Deformed Cavities of LINAC Collinear Load** – Z. Shu, L.G. Shen, Y. Sun, X.C. Wang (USTC/PMPI) Y.J. Pei (USTC/NSRL)
- THPEA028 **Preliminary Study of the Higher-harmonic Cavity for the Upgrade Project of Hefei Light Source** – C.-F. Wu, L. Wang (USTC/NSRL)
- THPEA029 **Study of Induction Accelerating Cavity for a Helium Ion FFAG Accelerator** – Y.C. Xu, H. Hao, H.L. Luo, X.Q. Wang (USTC/NSRL)
- THPEA030 **Design and Analysis of RF Cavities for the Cyclotron CYCHU-10** – T. Hu, X. Hu, D. Li, P. Tan, J. Yang, T. Yu (HUST)
- THPEA031 **Development of a 13.56MHz RF Implanter at PEFP** – T.A. Trinh, Y.-S. Cho, I.-S. Hong, J.-H. Jang, H.S. Kim, H.-J. Kwon, H.R. Lee, B.-S. Park (KAERI)
- THPEA032 **Commissioning of L-band Intense Electron Accelerator for Irradiation Applications** – S.H. Kim, M.-H. Cho, S.D. Jang, W. Namkung, S.J. Park, H.R. Yang (POSTECH) K.H. Chung, K.O. LEE. Lee (KAPRA) J.-S. Oh (NFRI)
- THPEA033 **Commissioning of C-band Standing-wave Accelerator** – H.R. Yang, M.-H. Cho, S.D. Jang, S.H. Kim, W. Namkung, S.J. Park (POSTECH) K.H. Chung, K.O. LEE. Lee (KAPRA) J.-S. Oh (NFRI)
- THPEA034 **Conceptual Design of RF System for a Superconducting Cyclotron** – I.S. Jung, D.H. An, H.S. Chang, G. Hahn, H.B. Hong, J. Kang, K.U. Kang, G.B. Kim, Y.S. Kim, Y.S. Park, T.K. Yang, H. Yim (KIRAMS) K.H. Kwon (SKKU)
- THPEA035 **Multi-cell RF Deflecting System for Formation of Hollow High Energy Heavy Ion Beam** – A. Sitnikov, N.N. Alexeev, A. Golubev, V.A. Koshelev, T. Kulevoy, S. Minaev, B.Y. Sharkov (ITEP) D.H.H. Hoffmann, N.A. Tahir, D. Varentsov (GSI)
- THPEA036 **Stabilization of the Polarization Plane in Traveling Wave Deflectors** – N.P. Sobenin, A. Anisimov, I.I.V. Isaev, S.V. Kutsaev, M.V. Lalayan, A.Yu. Smirnov (MEPhI) A.A. Zavadtsev, D.A. Zavadtsev (Nano)

- THPEA037 **Concepts for Raising Acceleration Gradients by Using Multi-Moded Cavity Structures** – S.V. Kuzikov, M.E. Plotkin (IAP/RAS) J.L. Hirshfield (Yale University, Physics Department) S. Kazakov, A.A. Vikharev (Omega-P, Inc.) V.P. Yakovlev (Fermilab)
- THPEA038 **Observation of Copper Surface Degradation caused by 30 GHz Pulse Heating** – S.V. Kuzikov, Yu. Danilov, N.S. Ginzburg, N.Yu. Peskov, M.I. Petelin, A. Sergeev, N.I. Zaitsev (IAP/RAS) A.K. Kaminsky, E.A. Perelstein, S.N. Sedykh (JINR) A.A. Vikharev (Omega-P, Inc.)
- THPEA039 **Constructions of DC Potential Input into Resonator of Linear Accelerators** – P.R. Safikanov, S.M. Polozov (MEPhI)
- THPEA040 **Characteristics of the Parallel Coupled Accelerating Structure** – A.E. Levichev, V.M. Pavlov (BINP SB RAS) Y.D. Chernousov (ICKC) V. Ivannikov, I.V. Shebolaev (ICKC SB RAS)
- THPEA041 **Manufacturing and Testing of a TBL PETS Prototype** – F. Toral, P. Abramian, J. Calero, D. Carrillo, F.M. De Aragon, L. García-Tabarés, J.L. Gutierrez, A. Lara, E. Rodríguez García, L. Sanchez (CIEMAT) S. Doeberl, I. Syratchev (CERN)
- THPEA042 **Engineering Design of a Multipurpose X-band Accelerating Structure** – D. Gudkov, G. Riddone, A. Samoshkin, R. Zennaro (CERN) M.M. Dehler, J.-Y. Raguin (PSI)
- THPEA043 **RF Pulse Compression Stabilization at the CTF3 CLIC Test Facility** – A. Dubrovsky, F. Tecker (CERN)
- THPEA044 **Effects of Manufacturing Techniques on Cavity Surface and Breakdown Performance** – A. Zarrebini, M. Ristic (Imperial College of Science and Technology) A. Kurup, K.R. Long, J.K. Pozimski (Imperial College of Science and Technology, Department of Physics) R. Seviour, M.A. Stables (Cockcroft Institute, Lancaster University)
- THPEA045 **Development of a Dielectric-loaded Accelerating Structure with Built-in Tunable Absorption Mechanism for High Order Modes** – S.P. Antipov, W. Gai, O. Poluektov (ANL) C.-J. Jing, A. Kanareykin, P. Schoessow (Euclid Tech-Labs, LLC)
- THPEA046 **The MuCool RF Program** – A.D. Bross, M. Chung, A. Jansson, A. Moretti, K. Yonehara (Fermilab) D. Huang, Y. Torun (IIT) D. Li (LBNL) J. Norem (ANL) R. B. Palmer, D. Stratakis (BNL) R.A. Rimmer (JLAB)
- THPEA047 **Dielectric Loaded RF Cavities** – M. Popovic, A. Moretti (Fermilab) M.A.C. Cummings, M.L. Neubauer (Muons, Inc)
- THPEA048 **Compact, Tunable RF Cavities** – R.P. Johnson, M. Alsharo'a, M.L. Neubauer (Muons, Inc) A. Moretti, M. Popovic (Fermilab)
- THPEA049 **The Normal Conducting RF Cavity for MICE** – D. Li, A.J. DeMello, S.P. Virostek, M.S. Zisman (LBNL)

- THPEA050 **Normal Conducting RF Cavity R&D for Muon Ionization Cooling** – *D. Li, S.P. Virostek, M.S. Zisman (LBNL) A.D. Bross, A. Moretti, Z. Qian (Fermilab) D. Huang, Y. Torun (IIT) J. Norem (ANL) R. B. Palmer, D. Stratakis (BNL)*
- THPEA051 **A Method for Establishing Q-factors of RF Cavities** – *X.D. Ding, S. Boucher (RadiaBeam)*
- THPEA052 **The Design of Fast Extraction Kicker for ALPHA** – *T.H. Luo, S.-Y. Lee (IUCF)*
- THPEA053 **805 MHz Pillbox RF Cavity Upgrade for Muon Cooling** – *Y. Torun, D. Huang (IIT) A.D. Bross, A. Kurup, A. Moretti (Fermilab) D. Li, S.P. Virostek, M.S. Zisman (LBNL) J. Norem (ANL) R. B. Palmer, D. Stratakis (BNL) R.A. Rimmer (JLAB) D.J. Summers (UMiss)*
- THPEA054 **Rectangular Box Cavity Tests in Magnetic Field for Muon Cooling** – *Y. Torun, D. Huang (IIT) A.D. Bross, M. Chung, A. Jansson, A. Kurup, J.R. Misesk, A. Moretti (Fermilab) J. Norem (ANL)*
- THPEA055 **500 MW X-band RF System of a 0.25 GeV Electron LINAC for Advanced Compton Scattering Source Application** – *T.S. Chu, S.G. Anderson, C.P.J. Barty, D.J. Gibson, F.V. Hartemann, R.A. Marsh, C. Siders (LLNL) E.N. Jongewaard, S.G. Tantawi, A.E. Vlieks, J.W. Wang (SLAC)*
- THPEA056 **Advanced X-band Test Accelerator for High Brightness Electron and Gamma Ray Beams** – *R.A. Marsh, S.G. Anderson, C.P.J. Barty, T.S. Chu, C.A. Ebberts, D.J. Gibson, F.V. Hartemann (LLNL) C. Adolphsen, E.N. Jongewaard, T.O. Raubenheimer, S.G. Tantawi, A.E. Vlieks, J.W. Wang (SLAC)*
- THPEA057 **Development of a CW NCRF Photoinjector using Solid Freeform Fabrication (SFF)** – *P. Frigola, R.B. Agustsson (RadiaBeam) L. Faillace (Rome University La Sapienza) O. Harrysson, K. Knowlson, T. Mahale (NCSU) R.A. Rimmer (JLAB)*
- THPEA058 **Development of a High Brightness Photoinjector using Solid Freeform Fabrication (SFF)** – *P. Frigola, R.B. Agustsson (RadiaBeam) L. Faillace, A. Fukasawa, B. D. O'Shea, J.B. Rosenzweig (UCLA) O. Harrysson, K. Knowlson, T. Mahale (NCSU) B. Spataro (INFN/LNF)*
- THPEA059 **Ultra-high Gradient Compact S-band Linac for Laboratory and Industrial Applications** – *A.Y. Murokh, R.B. Agustsson, L. Faillace, P. Frigola (RadiaBeam) V.A. Dolgashev (SLAC) J.B. Rosenzweig (UCLA)*
- THPEA060 **Status of High Power Tests of Normal Conducting Single-Cell Standing Wave Structures** – *V.A. Dolgashev, S.G. Tantawi, A.D. Yeremian (SLAC) Y. Higashi (KEK) B. Spataro (INFN/LNF)*
- THPEA061 **RF Breakdown Studies with a Dual-moded Cavity** – *C.D. Nantista, C. Adolphsen, F. Wang (SLAC)*
- THPEA062 **Component Tests for the ILC Klystron Cluster System** – *C.D. Nantista, C. Adolphsen, G.B. Bowden, F. Wang (SLAC)*

- THPEA063 **X-band RF Gun Development** – A.E. Vliet, V.A. Dolgashev, S.G. Tantawi (SLAC) S.G. Anderson, F.V. Hartemann, R.A. Marsh (LLNL)
- THPEA064 **Fabrication Technologies of the High Gradient Accelerator Structures at 100MV/m Range** – J.W. Wang, J.R. Lewandowski, J.W. Van Pelt, C. Yoneda (SLAC) B.A. Gudkov, G. Riddone (CERN) T. Higo, T. Takatomi (KEK)
- THPEA065 **RF Choke for Standing Wave Structures and Flanges** – A.D. Yeremian, V.A. Dolgashev, S.G. Tantawi (SLAC)
- THPEA066 **Developments for Performance Improvement of SNS H⁻ Ion Source RF Systems** – Y.W. Kang, R.E. Fuja, R.H. Goulding, T.W. Hardek, S.W. Lee, M.P. McCarthy, M.F. Piller, K.R. Shin, M.P. Stockli, A.V. Vassiloutchenko, R.F. Welton (ORNL)
- THPEA067 **Development of S-band Power Distribution System Employing Waveguide Vector Modulator** – Y.W. Kang, S.W. Lee, K.R. Shin (ORNL) F. Carroll, S.M. Degenhardt, R. Traeger (MXI Systems Inc.) J.L. Wilson (MIT Lincoln Laboratory)
- THPEA068 **Cryogenic System Design for SPIRAL2 LINAC Project at GANIL (France)** – S. Crispel, F. Delcayre, F. Ferrand, G. Flavien, D. Grillot, J.-M. Bernhardt (Air Liquide, Division Techniques Avancées) C. Commeaux (IPN) P. Dauguet (Air Liquide) M. Souli (GANIL)
- THPEA069 **Runtime Experience and Impurity Investigations at the ELBE Cryogenic Plant** – Ch. Schneider, P. Michel (FZD) Ch. Haberstroh (TU Dresden)
- THPEA070 **Performance of Two Additional Cryomodules for Superconducting Linac at IUAC. Delhi** – T.S. Datta, J. Antony, S. Babu, J. Chacko, A. Choudhury, S. Kar, M. Kumar, A. Roy (IUAC)
- THPEA071 **Cryogenics for the KEKB Superconducting Crab Cavities** – H. Nakai, K. Hara, T. Honma, K. Hosoyama, A. Kabe, Y. Kojima, Y. Morita, K. Nakanishi (KEK) T. Kanekiyo (Hitachi Technologies and Services Co., Ltd.)
- THPEA072 **Model of HeI/HeII Phase Transition for the Superconducting Line Powering LHC Correctors** – M. Sitko, B. Skoczen (CUT)
- THPEA073 **Operational Experience with the LHC Superconducting Links and Evaluation of Possible Cryogenic Schemes for Future Remote Powering of Superconducting Magnets** – A. Perin, S.D. Claudet, R. van Weelden (CERN)
- THPEA074 **The LN₂ Phase Separator at NSRRC** – H.C. Li, S.-H. Chang, W.-S. Chiou, F. Z. Hsiao, T. F. Lin, H.H. Tsai (NSRRC)
- THPEA075 **Installation and Commissioning of the 200-m Flexible Cryogenic Transfer System** – M.-C. Lin, L.-H. Chang, M.H. Chang, L.J. Chen, W.-S. Chiou, F.-T. Chung, F. Z. Hsiao, H.C. Li, Y.-H. Lin, C.H. Lo, H.H. Tsai, M.H. Tsai, Ch. Wang, T.-T. Yang, M.-S. Yeh, T.-C. Yu (NSRRC) M. Di Palma, S. Lange, H. Lehmann, K. Schippl (NEXANS Deutschland Industries AG & Co. KG)

- THPEA076 **The Current Status of the Cryogenic System Design and Construction for TPS** – *H.H. Tsai, J.-C. Chang, S.-H. Chang, W.-S. Chiou, F. Z. Hsiao, H.C. Li, T. F. Lin (NSRRC)*
- THPEA077 **Cryogenic Refrigeration Equipment for the New Light Source (NLS) Superconducting LINAC** – *A.R. Goulden, R. Bate, R.K. Buckley, P.A. McIntosh, S.M. Pattalwar (STFC/DL/ASTeC)*
- THPEA078 **Compact Turbomolecular-Drag Pumps using Spiral Molecular Drag Stage Designed for High Compression Ratio** – *L. Bonmassar, L. Campagna, E. Emelli, S. Giors (VARIAN S.p.A., Vacuum Products)*
- THPEA079 **Residual Gas Analysis and Electron Cloud Measurement of DLC and TiN Coated Chambers at KEKB LER** – *M. Nishiwaki, S. Kato (KEK)*
- THPEA080 **Application of Stain-less Steel, Copper Alloy and Aluminum Alloy MO (Matsumoto-Ohtsuka) -type Flanges to Accelerator Beam Pipes** – *Y. Suetsugu, M. Shirai (KEK) M. Ohtsuka (OHTSUKA)*
- THPEA081 **Vacuum Surface Scrubbing by Proton Beam in J-PARC Main Ring** – *M. Uota, Y. Hashimoto, Y. Hori, H. Matsumoto, Y. Saitoh, M. Tomizawa, T. Toyama (KEK)*
- THPEA082 **Vacuum System Design for the PLS-II Storage Ring** – *C.D. Park, T. Ha, M.-S. Hong, C.K. Kim (PAL)*
- THPEA083 **The ALBA Vacuum System: Installation and Commissioning** – *E. Al-Dmour, D. Einfeld (CELLS-ALBA Synchrotron)*
- THPEA084 **Summary of Beam Vacuum Activities Held during the LHC 2008-2009 Shutdown** – *V. Baglin, G. Bregliozzi, J.M. Jimenez (CERN)*
- THPEA085 **Vacuum Performances of Some LHC Collimators** – *V. Baglin, G. Bregliozzi, J.M. Jimenez (CERN) J. Kamiya (JAEA/J-PARC)*
- THPEA086 **Recovering about 5 km of LHC Beam Vacuum System after Sector 3-4 Incident** – *V. Baglin, B. Henrist, B. Jenninger, J.M. Jimenez, E. Mahner, G. Schneider, A. Sinturel, A. Vidal (CERN)*
- THPEA087 **The Design of TPS Storage Ring Vacuum Interlock System** – *C.Y. Yang, C.K. Chan, C.L. Chen, J.-R. Chen, G.-Y. Hsiung, Z.-D. Tsai (NSRRC)*

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| 27-May-10 | 16:00 – 18:00 | Poster | Event Hall, Poster Area B |
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THPEB — Poster Session

- THPEB001 **Holographic Plasma Control Program** – *C.A. Lobo (Private Address)*
- THPEB002 **Study on Particle Loss during Slow Extraction from SIs⁻¹⁰⁰** – *S. Sorge, G. Franchetti, A.S. Parfenova (GSI) A. Bolshakov (ITEP)*
- THPEB003 **Determination of the Acceptance of SIs⁻¹⁸ using an RF Voltage** – *S. Sorge, G. Franchetti, A.S. Parfenova (GSI)*

- THPEB004 **Slow Extraction from the Superconducting Synchrotron SIS300 at FAIR: Lattice Design Optimization and Simulations of Beam Dynamics** – A. Saa Hernandez, N. Pyka, P.J. Spiller (GSI) U. Ratzinger (IAP)
- THPEB005 **Scaled down Experiments for a Stellarator Type Magnetostatic Storage Ring** – N.S. Joshi, M. Droba, O. Meusel, U. Ratzinger (IAP)
- THPEB006 **Optics Measurements and Transfer Line Matching for the SPS Injection of the CERN Multi-turn Extraction Beam** – E. Benedetto (National Technical University of Athens) G. Arduini, S. Cettour Cave, F. Follin, S.S. Gilar-doni, M. Giovannozzi, M. Newman, F. Roncarolo (CERN)
- THPEB007 **RF-knockout Extraction System for the CNAO Synchrotron** – N. Carmignani, C. Biscari, M. Serio (INFN/LNF) G. Balbinot, E. Bressi, M. Caldara, M. Pullia (CNAO Foundation) J. Bosser (CERN) G. Venchi (University of Pavia)
- THPEB008 **Insensitive Method to Power Supply Ripple in Resonant Slow Extraction** – K. Mizushima (Chiba University, Graduate School of Science and Technology) T. Furukawa, K. Noda, T. Shirai (NIRS)
- THPEB009 **Development of H⁻ Injection of Proton-FFAG at KURRI** – K. Okabe, R. Nakano, Y. Niwa, I. Sakai (University of Fukui, Faculty of Engineering) Y. Arakida (KEK) M. Inoue, Y. Ishi, Y. Kuriyama, J.-B. Lagrange, Y. Mori, T. Planche, T. Uesugi, E. Yamakawa (KURRI)
- THPEB010 **Electrostatic Septum for 50GeV Proton Synchrotron in J-PARC** – Y. Arakaki, S. Murasugi, R. Muto, K. Okamura, Y. Shirakabe, M. Tomizawa (KEK) M. Nishikawa (Nippon Advanced Technology Co. Ltd.) I. Sakai, D. horikawa (University of Fukui, Faculty of Engineering)
- THPEB011 **Design and Test of 2-4MHz Sawtooth-wave Pre-buncher for 26MHz-RFQ** – K. Niki, H. Ishiyama, I. Katayama, H. Miyatake, M. Okada, Y. Watanabe (KEK) S. Arai (RIKEN Nishina Center) H. Makii (JAEA)
- THPEB012 **Beam Test of Sawtooth-wave Pre-Buncher Coupled to a Multilayer Chopper** – M. Okada, H. Ishiyama, I. Katayama, H. Miyatake, K. Niki, Y. Watanabe (KEK) S. Arai (RIKEN Nishina Center) H. Makii (JAEA)
- THPEB013 **Lifetime Test of Carbon Stripping Foils by 650keV Intense Pulsed H⁻ Ion Beam** – A. Takagi, Y. Irie, I. Sugai, Y. Takeda (KEK)
- THPEB014 **Status and Upgrade Plan of Slow Extraction from the J-PARC Main Ring** – M. Tomizawa, T. Adachi, Y. Arakaki, A. Kiyomichi, S. Murasugi, R. Muto, H. Nakagawa, K. Niki, K. Okamura, Y. Sato, S. Sawada, Y. Shirakabe, H. Someya, K.H. Tanaka, E. Yanaoka (KEK) A. Ando, Y. Hashimoto, T. Koseki, J. Takano (J-PARC, KEK & JAEA) K. Mochiki, S. Onuma (Tokyo City University) I. Sakai, D. horikawa (University of Fukui, Faculty of Engineering) H. Sato (Tsukuba University)

- THPEB015 **Beam Injection Tuning of J-PARC MR** – G.H. Wei (KEK/JAEA) A. Ando, T. Koseki, J. Takano (J-PARC, KEK & JAEA) S. Igarashi, K. Ishii, M. Tomizawa, M. Uota (KEK) P.K. Saha, K. Satou, M.J. Shirakata (JAEA/J-PARC) J. Tang (IHEP Beijing)
- THPEB016 **Fast Extraction Study and Beam Tuning of J-PARC MR** – G.H. Wei (KEK/JAEA) K. Ishii, T. Nakadaira, M. Tomizawa (KEK) T. Koseki, J. Takano (J-PARC, KEK & JAEA)
- THPEB017 **Beam Loss Study for Downstream of the Charge-exchange Stripping Foil at the 3-GeV RCS of J-PARC** – H. Harada, H. Hotchi, P.K. Saha, K. Yamamoto (JAEA/J-PARC)
- THPEB018 **Systematic Beam Loss Study due to the Foil Scattering at the 3-GeV RCS of J-PARC** – P.K. Saha, H. Harada, H. Hotchi, K. Yamamoto, Y. Yamazaki, M. Yoshimoto (JAEA/J-PARC) I. Sugai (KEK)
- THPEB019 **Analysis of Hybrid Type Boron-doped Carbon Stripper Foils in J-PARC RCS** – Y. Yamazaki, M. Kinsho, O. Takeda, M. Yoshimoto (JAEA/J-PARC) I. Sugai (KEK)
- THPEB020 **Beam Study Results with HBC Stripping Foils at the 3GeV RCS in J-PARC** – M. Yoshimoto (JAEA/J-PARC)
- THPEB021 **Improvements of the Charge Exchange System at the 3GeV RCS in J-PARC** – M. Yoshimoto (JAEA/J-PARC)
- THPEB022 **Beam Spill Control for the J-PARC Slow Extraction** – A. Kiyomichi, T. Adachi, A. Akiyama, S. Murasugi, R. Muto, H. Nakagawa, J.-I. Odagiri, K. Okamura, H. Sato, Y. Sato, S. Sawada, Y. Shirakabe, H. Someya, K.H. Tanaka, M. Tomizawa, A. Toyoda (KEK) T. Kimura (Miyazaki University) K. Mochiki, S. Onuma (Tokyo City University) K. Noda (NIRS)
- THPEB023 **Design of the Low Energy Beam Transport in RIKEN New Injector** – Y. Sato, M.K. Fujimaki, N. Fukunishi, A. Goto, Y. Higurashi, E. Ikezawa, O. Kamigaito, M. Kase, T. Nakagawa, J. Ohnishi, H. Okuno, H. Watanabe, Y. Watanabe, S. Yokouchi (RIKEN Nishina Center)
- THPEB024 **Design of the Medium Energy Beam Transport from High-voltage Terminal as RIKEN Pre-injector** – Y. Sato, M.K. Fujimaki, N. Fukunishi, A. Goto, Y. Higurashi, E. Ikezawa, O. Kamigaito, M. Kase, T. Nakagawa, J. Ohnishi, H. Okuno, H. Watanabe, Y. Watanabe, S. Yokouchi (RIKEN Nishina Center)
- THPEB025 **Physical Design of the Extraction System with Slow Orbit Bumps at CSNS** – J. Qiu, N. Huang, J. Tang, S. Wang (IHEP Beijing)
- THPEB026 **Study of Beam Losses at Injection in the CERN PS** – S. Aumon, S.S. Gilardoni, O. Hans (CERN) S. Aumon, M. Juchno (EPFL) R. Bruce (MAX-lab)
- THPEB027 **Transfer Lines to and from PS2** – C. Hessler, W. Bartmann, M. Benedikt, B. Goddard, M. Meddahi, J.A. Uythoven (CERN)
- THPEB028 **A Doublet-based Injection-extraction Straight Section for PS2** – W. Bartmann, B. Goddard, C. Hessler (CERN)

- THPEB029 **The Final Beam Line Design for the HiRadMat Test Facility** – C. Hessler, B. Goddard, M. Meddahi (CERN)
- THPEB030 **Stripping Foil Issues for H⁻ Injection into the CERN PSB at 160 MeV and PS2 at 4 GeV** – B. Goddard, C. Bracco, C. Carli, M. Meddahi, W.J.M. Weterings (CERN) M. Aiba (PSI)
- THPEB031 **H⁻ Injection Painting Schemes for the Production of CERN PSB Operational Beams** – B. Goddard, C. Bracco, C. Carli, T. Fowler, M. Martini, M. Meddahi, M. Scholz (CERN)
contribution withdrawn
- THPEB032 **Design and Development of Kickers and Septa for MedAustron** – J. Borburgh, B. Balhan, M.J. Barnes, T. Fowler, M. Hourican, M. Palm, A. Prost, L. Sermeus, T. Stadlbauer (CERN) E Hinterschuster (TU Vienna) T. Kramer (EBG MedAustron)
- THPEB033 **Injection of Proton and Carbon 6+ into the Non-scaling FFAG** – M. Aslaninejad, M.J. Easton (Imperial College of Science and Technology, Department of Physics) J. Pasternak, J.K. Pozimski (STFC/RAL) K.J. Peach, T. Yokoi (JAI)
- THPEB034 **The Design of the MEBT for the PAMELA Medical FFAG** – M. Aslaninejad, M.J. Easton, J. Pasternak, J.K. Pozimski (Imperial College of Science and Technology, Department of Physics) K.J. Peach, T. Yokoi (JAI)
- THPEB035 **Solenoid Fringe Field Effects for the Neutrino Factory Linac - MAD-X Investigation** – M. Aslaninejad, C. Bontoiu, J. Pasternak, J.K. Pozimski (Imperial College of Science and Technology, Department of Physics) S.A. Bogacz (JLAB)
- THPEB036 **Multi-turn Extraction in NS-FFAG** – T. Yokoi (JAI)
- THPEB037 **Kicker and Septum Magnets for PAMELA** – H. Witte (OXFORDphysics) M. Aslaninejad, J. Pasternak (Imperial College of Science and Technology, Department of Physics) K.J. Peach (JAI)
- THPEB038 **Design, Installation, and Initial Commissioning of the MTA Beamline** – C.D. Moore, J.E. Anderson, F.G. Garcia, M.A. Gerardi, C. Johnstone, T. Kobilarcik, I.L. Rakhno, G.L. Vogel (Fermilab)
- THPEB039 **SNS Stripper Foil Failure Modes and their Cures** – M.A. Plum, J. Galambos, S.-H. Kim, P. Ladd, R.W. Shaw (ORNL) C.F. Luck, C.C. Peters (ORNL RAD) R.J. Macek (LANL) D. Raparia (BNL)
- THPEB040 **MeRHIC Interaction Region Design** – J. Beebe-Wang (BNL)
- THPEB041 **Status of the 476 MHz 50 kW Solid State Amplifier for the LNLS Storage Ring** – R.H.A. Farias, F. Arroyo, E. Hayashi, E.S. Oliveira, L.H. Oliveira, C. Pardine, C. Rodrigues, P.F. Tavares (LNLS)
- THPEB042 **Development of Diffusion Bonding Joints between Oxygen Free Copper and AISI 316L Stainless Steel for Accelerator Components** – R.H.A. Farias, O.R. Bagnato, D.V. Freitas, E.E. Manoel (LNLS)

- THPEB043 **Connection Module for the European X-ray FEL 10MW Horizontal Multibeam Klystron** – V. Vogel, A. Cherepenko, S. Choroba, J. Hartung (DESY) P.A. Bak, N. Evmenova, A.A. Korepanov (BINP SB RAS)
- THPEB044 **Development and Operating Experience of S band RF Power Source for 10MeV Industrial Electron Linac** – A.R. Tillu, D.P. Chakravarthy (BARC) A.P. Bhagwat, S.Y. Kulkarni (SAMEER) S. Chandan, R.B. Chavan, K. Dixit, K.C. Mittal, V. Yadav (BARC-EBC)
- THPEB045 **Commissioning of S band RF Power Source for 10MeV, Industrial Linear Accelerator and Linac Commissioning Experience** – S. Chandan, D. Bhattacharjee, R.B. Chavan, K.C. Mittal, V.T. Nimje, R. Tiwari, V. Yadav (BARC-EBC) A.P. Bhagwat, S.Y. Kulkarni (SAMEER) D.P. Chakravarthy, A.R. Chindarkar, L.M. Gantayet, D. Jayaprakash, R.L. Mishra, A.R. Tillu (BARC)
- THPEB046 **RF Source of Compact ERL in KEK** – S. Fukuda, M. Ake-moto, D.A. Arakawa, H. Honma, H. Katagiri, S. Kazakov, S. Matsumoto, T. Matsumoto, S. Michizono, T. Miura, H. Nakajima, K. Nakao, S. Sakanaka, T. Shidara, T. Takahashi, Y. Yano, M. Yoshida (KEK)
- THPEB047 **The Development of L-band Inductive Output Tube without Trolley toward Higher Applied Voltage.** – M. Yoshida, S. Fukuda (KEK) H. Asano, M. Kubosaki, Y. Moriguchi (Mitsubishi Electric Corp., Communication Systems Center)
- THPEB048 **Research on RF Synthesizer and Amplifier** – J. Huang, T. Hu, D. Li, B. Qin, J. Yang (HUST)
- THPEB049 **Beam Optics Calculation and Optimization for a High-voltage Electron Accelerator** – D. Li, T. Hu, X. Hu, J. Huang, B. Qin, J. Yang (HUST)
- THPEB050 **Microwave System for PLS-II 3 GeV Linac at PAL** – W.H. Hwang, K.R. Kim, S.H. Kim, S.H. Nam, C.D. Park, S.S. Park (PAL)
- THPEB051 **Observation of an Anomalous Tuning Range of a Doped BST Ferroelectric Material Developed for Accelerator Applications** – E. Nenasheva (Ceramics Ltd.) A. Kanareykin (Euclid TechLabs, LLC) S. Kazakov (KEK) A.B. Kozyrev (LETI) V.P. Yakovlev (Fermilab)
- THPEB052 **IFMIF/EVEDA RF Power System** – D. Regidor, A. Arriaga, A. Ibarra, I. Kirpitchenov, P. Méndez, M. Weber (CIEMAT) M. Desmons, A. Mosnier (CEA) J.M. Forteza, C.R. Isnardi (Indra Sistemas) F. Perez, A. Salom (CELLS-ALBA Synchrotron) D. Vandeplassche (SCK-CEN)
- THPEB053 **A 12 GHz RF Power Source for the CLIC Study** – K.M. Schirm, S. Curt, S. Doebert, G. McMonagle, I. Syratchev, L. Timeo (CERN) A.A. Haase, D.W. Sprehn (SLAC) A. Hamdi, F. Peauger (CEA) S.V. Kuzikov (IAP/RAS)
- THPEB054 **The Development of High Power Solid-state Amplifier in NSRRC** – T.-C. Yu, L.-H. Chang, M.-C. Lin, Ch. Wang, M.-S. Yeh (NSRRC)

- THPEB055 **Progress on the MICE RF System** – A.J. Moss, P.A. Corlett, P.A. McIntosh, J.F. Orrett, A.E. Wheelhouse (STFC/DL/ASTeC)
- THPEB056 **Commissioning of the RF System for EMMA at Daresbury Laboratory** – A.E. Wheelhouse, R.K. Buckley, P.A. McIntosh, A.J. Moss, J.F. Orrett (STFC/DL/ASTeC)
- THPEB057 **Design of Photonic Crystal Klystrons** – Y. Xu (Lancaster University) R. Seviour (Cockcroft Institute, Lancaster University)
- THPEB058 **Phase and Frequency Locked Magnetrons for SRF Sources** – M. Popovic, A. Moretti (Fermilab) A. Dudas, R.P. Johnson, M.L. Neubauer, R. Sah (Muons, Inc)
- THPEB059 **Adjustable High Power Coax RF Coupler with No Moving Parts** – M.L. Neubauer, A. Dudas, R. Sah (Muons, Inc) M. Borland, R. Nassiri (ANL)
- THPEB060 **Design and Early Commissioning Results of the APEX Project's VHF Gun RF System** – K.M. Baptiste, L.R. Doolittle, G. Huang, S. Kwiatkowski, F. Sannibale, J.W. Staples (LBNL)
- THPEB061 **CPI's 1.3 GHz, 90 kW Pulsed IOT Transmitter for the EMMA Accelerator** – M.E. Marks, P. Brown, S. Evans, T.A. Treado (CPI)
- THPEB062 **Design of a New VHF RF Power Amplifier System for LANSCE** – J.T.M. Lyles, S. Archuletta, N.K. Bultman, Z.C. Chen, J. Davis, A.C. Naranjo, D. Rees, G. M. Sandoval, Jr., D.S. Warren (LANL) D. Baca, R.E. Bratton, R.D. Summers (Compa Industries, Inc.)
- THPEB063 **ILC RF System R&D** – C. Adolphsen (SLAC)
- THPEB064 **X-band Single-Cell Accelerator and Klystron Cavity Studies** – F. Wang, C. Adolphsen, V.A. Dolgashev, S. Pei (SLAC)
- THPEB065 **A 12 GHz 50MW Klystron for Support of Accelerator Research** – D.W. Sprehn, A.A. Haase, A. Jensen, E.N. Jongewaard, C.D. Nantista, A.E. Vlieks (SLAC)
- THPEB066 **Test and Development of a 10 MW 1.3 GHz Sheet Beam Klystron for the ILC** – D.W. Sprehn, A.A. Haase, A. Jensen, E.N. Jongewaard, D.W. Martin (SLAC)
- THPEB067 **Demonstration Experiment Using a Magnetron to Drive a Superconducting Cavity** – H. Wang, G.K. Davis, R.A. Rimmer (JLAB) A.C. Dexter, M.I. Tahir (Cockcroft Institute, Lancaster University)
- THPEB068 **Building Design for High Beam-power Facilities** – J.-M. Lagniel (GANIL)
- THPEB069 **Experiments with Viewing Targets for Ion Beams from ECRIS** – P. Spaedtke, R. Lang, J. Maeder, F. Maimone, J. Rossbach, K. Tinschert (GSI)
- THPEB070 **Making Engineering Data Available at the European XFEL** – L. Hagge, N. Bergel, J. Buerger, J.A. Dammann, S. Eucker, A. Herz, J. Kreutzkamp, S. Panto, S. Suehl, D. Szepielak, P. Tumidajewicz, N. Welle (DESY)

- THPEB071 **Information Management in the Civil Construction of the European XFEL** – *L. Hagge, N. Bergel, J.A. Dammann, S. Eucker, J. Kreutzkamp, S. Suehl, D. Szepielak, P. Tumidajewicz, N. Welle (DESY)*
- THPEB072 **Maximizing the Efficiency of LHC Maintenance during Operation Times using a Mobile Tool** – *P. Martel, Ch. Delamare, S. Mallon Amerigo, L. Pater, S. Petit, D. Widegren (CERN)*
- THPEB073 **De-ionized Water Supplied System Design of Taiwan Photon Source** – *W.S. Chan, J.-M. Lee, Z.-D. Tsai (NSRRC)*
- THPEB074 **Utility System Design and Construction Status for the 3 GeV TPS Storage Ring** – *J.-C. Chang, J.-R. Chen, Y.-C. Chung, K.C. Kuo, J.-M. Lee, Y.-C. Lin, C.Y. Liu, Y.-H. Liu, Z.-D. Tsai, T.-S. Ueng (NSRRC)*
- THPEB075 **Numerical Simulation and Air Conditioning System Study for the Storage Ring of TLS** – *J.-C. Chang, J.-R. Chen, Y.-C. Chung, C.Y. Liu, Z.-D. Tsai (NSRRC) M. Ke (NTUT)*
- THPEB076 **Utility Cooling System Design for the Taiwan Photon Source** – *Z.-D. Tsai, J.-C. Chang, J.-R. Chen, Y.-C. Chung, J.-M. Lee, C.Y. Liu (NSRRC)*
- THPEB077 **Simulation and Design of the High Precision Temperature Control for the De-ionized Cooling Water System** – *Z.-D. Tsai, J.-C. Chang, J.-R. Chen, C.Y. Liu (NSRRC)*
- THPEB078 **Investigation and Analysis of Electric Power System Harmonics in TLS** – *T.-S. Ueng, J.-C. Chang, J.-M. Lee, Y.-C. Lin (NSRRC)*
- THPEB079 **Survey and Alignment Strategy for Compton X-ray Generator NESTOR** – *A.Y. Zelinsky, A. Mytsykov (NSC/KIPT)*

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| 27-May-10 | 16:00 – 18:00 | Poster | Event Hall, Poster Area C |
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| THPEC — Poster Session |
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- THPEC001 **Optimization of Nonlinear Wakefield Amplitude in Laser Plasma Interaction** – *A.K. Upadhyay, P. Jha (Lucknow University) S. Krishnagopal (BARC) S.A. Samant, D. Sarkar (CBS)*
- THPEC002 **Simulation of Electron Acceleration by Two Laser Pulses Propagating in a Plasma** – *S. Krishnagopal (BARC) P. Jha, A.K. Upadhyay (Lucknow University) S.A. Samant, D. Sarkar (CBS)*
- THPEC003 **Stabilization of Laser Accelerated Electron Bunch by the Ionization-stage Control** – *M. Mori, S.V. Bulanov, K. Kawase, K. Kondo, A. Yokoyama (JAEA) H. Daido, M. Kando (JAEA APCR) H. Kotaki, K. Ogura (JAEA/Kansai) Y. Mizuta, K.A. Tanaka (Osaka University, Graduate School of Engineering) H. Nishimura (ILE Osaka)*
- THPEC004 **All-optical Hard X-ray Sources and their Applications to Nuclear Engineering** – *K. Koyama (University of Tokyo) T. Hosokai (Osaka University) A. Maekawa, H. Masuda, M. Uesaka (The University of Tokyo, Nuclear Professional School) Y. Oishi (Central Research Institute of Electric Power Industry) A. Yamazaki (Nagoya University)*

- THPEC005 **Simulation of Laser WakeField Acceleration based on Typical 100 TW Laser Facilities** – D.Z. Li, J. Gao, A. He, W.X. Zhu (IHEP Beijing)
- THPEC006 **Characterization of Gas Jet Nozzle for Laser-plasma Wakefield Acceleration** – Hua,,J.F Hua, L.X. Yan (TUB)
- THPEC007 **Density Structure Effect on the Electron Energy in Laser Wakefield Accelerator** – J. Kim, G. Kim, J. Kim, S.H. Yoo (KERI)
- THPEC008 **Optimum Plasma Density for the Maximum Photon Flux from the Laser Induced Betatron Oscillation** – S.H. Yoo, J. Kim, J.-U. Kim (KERI)
- THPEC009 **A Gas-filled Capillary Plasma Source for Laser-driven Plasma Acceleration** – H. Suk, D. Jang, D. Jang, M. Kim, S. Oh (APRI-GIST)
- THPEC010 **Transverse Emittance Measurement of a Plasma Accelerated High Energy Electron Beam using the Pepperpot Method** – N. Delerue (JAI) S.I. Bajlekov, S.M. Hooker (University of Oxford, Clarendon Laboratory) S. Karsch, A. Popp (MPQ) R. Weingartner (LMU)
contribution withdrawn
- THPEC011 **Electron Acceleration using the 300 TW HERCULESLaser System at the University of Michigan** – K.M. Krushelnick, V. Chvykov, F.J. Dollar, G. Kalintchenko, A. Maksimchuk, T. Matsuoka, C.S. McGuffey, W. Schumaker, A.G.R. Thomas, V. Yanovsky (University of Michigan, FO-CUS Center for Ultrafast Optical Science)
- THPEC012 **Laser Wakefield Simulation using a Speed-of-light Frame Envelope Model** – B.M. Cowan, D.L. Bruhwiler, K. Paul, V.H. Ranjbar, S.W. Sides (Tech-X) E. Cormier-Michel, E. Esarey, C.G.R. Geddes (LBNL)
- THPEC013 **Compact Couplers for Photonic Crystal Laser-driven Accelerator Structures** – B.M. Cowan, M.C. Lin, B.T. Schwartz (Tech-X) R.L. Byer, C. McGuinness (Stanford University) E.R. Colby, R.J. England, R.J. Noble, J.E. Spencer (SLAC)
- THPEC014 **Resonant Excitation of Plasma Wakefields** – P. Muggli (UCLA) B.A. Allen (USC) M. Babzien, K. Kusche, J.H. Park, V. Yakimenko (BNL)
- THPEC015 **Breaking the Attosecond, Angstrom and TV/m Field Barriers with Ultra-fast Electron Beams** – J.B. Rosenzweig, G. Andonian, A. Fukasawa, E. Hemsing, G. Marcus, A. Marinelli, P. Musumeci, B. D. O'Shea, F.H. O'Shea, C. Pellegrini, D. Schiller, G. Travish (UCLA) P.H. Bucksbaum, M.J. Hogan, P. Krejcik (SLAC) M. Ferrario (INFN/LNF) S.J. Full (Penn State University) P. Muggli (USC)
- THPEC016 **Propagation and Acceleration of Positron Bunches in Hollow Plasma Channels** – P. Muggli, X. Li (USC) C. Huang (LANL) S.F. Martins (Instituto Superior Tecnico) W.B. Mori (UCLA)
- THPEC017 **Measurements of the Correlation Between Plasma Bubble Dynamics and Electron Trapping in a Laser Wakefield Accelerator** – M.H. Helle (Georgetown University) D.F. Gordon, A. Ting (NRL) D. Kaganovich (Icarus Research, Inc.)

- THPEC018 **Explosive Field Emission Cathodes** – *M. Caron (CEA)*
- THPEC019 **Implementation of a Polarized Electron Source at the S-DALINAC** – *C. Eckardt, T. Bahlo, P. Bangert, R. Barday, U. Bonnes, M. Brunken, R. Eichhorn, J. Enders, M. Platz, Y. Poltoratska, M. Roth, F. Schneider, M. Wagner, A. Weber, B. Zwicker (TU Darmstadt) W. Ackermann, W.F.O. Müller, T. Weiland (TEMF, TU Darmstadt)*
- THPEC020 **QE Tests with Nb-Pb SRF Photoinjector and Arc Deposited Cathodes** – *J.K. Sekutowicz (DESY) P. Kneisel (JLAB) R. Nietubyc (The Andrzej Soltan Institute for Nuclear Studies, Centre Swierk) T. Rao, J. Smedley (BNL)*
- THPEC021 **Coaxial Coupling Scheme for TESLA/ILC-type Cavities** – *J.K. Sekutowicz (DESY) P. Kneisel (JLAB)*
- THPEC022 **Beam Tests of HOM Absorber at FLASH** – *J.K. Sekutowicz, M. Dohlus, A. Goessel, N. Mildner (DESY)*
- THPEC023 **Positron Source Simulations using Geant4** – *A. Ushakov, S. Riemann, A. Schaelicke (DESY Zeuthen)*
- THPEC024 **Development of a High Average Power Laser Generating Electron Beam in ILC Format for KEK-STF** – *M. Kuriki, H. Iijima (HU/AdSM) H. Hayano, Y. Honda, H. Sugiyama, J. Urakawa (KEK) G. Isoyama, S. Kashiwagi, R. Kato (ISIR) E. Katin, E. Khazanov, V. Lozhkarev, G. Luchinin, A. Poteomkin (IAP/RAS) G. Shirkov, G.V. Trubnikov (JINR)*
- THPEC025 **First Emission of Novel Photocathode Gun Gated by Z-polarized Laser Pulse** – *H. Tomizawa, H. Dewa, H. Hanaki, A. Mizuno, T. Taniuchi (JASRI/SPring-8)*
- THPEC026 **Experimental Results of RF Gun and Generation of Multi Bunch Beam** – *A. Deshpande (Sokendai) S. Araki, M.K. Fukuda, N. Terunuma, J. Urakawa (KEK) K. Sakaue, M. Washio (RISE)*
- THPEC027 **Beam Dynamics in Femtosecond Photocathode RF Gun** – *K. Kan, T. Kondoh, T. Kozawa, K. Norizawa, J. Yang, Y. Yoshida (ISIR)*
- THPEC028 **Femtosecond Pulse Radiolysis Study in Radiation Chemistry Using a Photocathode RF Gun LINAC** – *T. Kondoh, K. Kan, T. Kozawa, K. Norizawa, A. Ogata, J. Yang, Y. Yoshida (ISIR)*
- THPEC029 **Photocathode Femtosecond Electron Beam Applications: Femtosecond Pulse Radiolysis and Femtosecond Electron Diffraction** – *J. Yang, K. Kan, T. Kondoh, Y. Murooka, N. Naruse, K. Tanimura, Y. Yoshida (ISIR) J. Urakawa (KEK)*
- THPEC030 **Design of the COMET Pion Capture Solenoid** – *M.Y. Yoshida, M. Aoki, Y. Kuno, A. Sato (Osaka University) T. Nakamoto, T. Ogitsu, K. Tanaka, A. Yamamoto (KEK)*
- THPEC031 **Multi-bunch Electron Beam Generation based on Cs-Te Photocathode RF-Gun at Waseda University** – *Y. Yokoyama, T. Aoki, K. Sakaue, T. Suzuki, M. Washio, J. Yokose (RISE) H. Hayano, N. Terunuma, J. Urakawa (KEK) S. Kashiwagi (ISIR) R. Kuroda (AIST)*

- THPEC032 **Performance of the CTF3 High Charge Photo Injector** – *M. Petrarca, N. Champault, E. Chevallay, A.E. Dabrowski, M. Divall Csatari, S. Doebert, D. Egger, V. Fedosseev, G. Geschonke, T. Lefevre, R. Losito, O. Mete, L. Rinolfi (CERN)*
- THPEC033 **Eddy Current Studies From the Undulator-based Positron Source Target Wheel Prototype** – *I.R. Bailey, J.A. Clarke (Cockcroft Institute) I.R. Bailey (Lancaster University) C.G. Brown, J. Gronberg, L.B. Hagler, W.T. Piggott (LLNL) L.J. Jenner (Imperial College of Science and Technology, Department of Physics) L. Zang (The University of Liverpool)*
- THPEC034 **Undulator Based Positron Source Optimization for CLIC** – *L. Zang (Cockcroft Institute) I.R. Bailey (Lancaster University) A. Wolski (The University of Liverpool)*
- THPEC035 **An Undulator based Polarized Positron Source for CLIC** – *W. Liu, W. Gai (ANL) L. Rinolfi (CERN) J. Sheppard (SLAC)*
- THPEC036 **Update on the ILC Positron Source Study at ANL** – *W. Liu, W. Gai (ANL)*
- THPEC037 **Design of a Pulsed Flux Concentrator for the ILC Positron Source** – *J. Gronberg, A. Abbott, C.G. Brown, J.B. Javedani, W.T. Piggott (LLNL) J.A. Clarke (STFC/DL/ASTeC)*
- THPEC038 **The Concept for Antiproton Accumulation in the RESR Storage Ring of the FAIR Project** – *M. Steck, C. Dimopoulou, A. Dolinsky, T. Katayama, S.A. Litvinov, F. Nolden, C. Peschke (GSI) D. Möhl, L. Thorndahl (CERN)*
- THPEC039 **Handling of Beam Impurities in Gamma-spectroscopy Experiments at REX-ISOLDE (CERN)** – *T. Bloch, J. Leske, N. Pietralla (TU Darmstadt) J. van de Walle (CERN)*
- THPEC040 **Design and Shielding of a Beamline from ELENA to ATRAP using Electrostatic Quadrupole Lenses and Bends** – *Y. Yuri (JAEA/TARRI) E. P. Lee (LBNL)*
- THPEC041 **Uniform Beam Distribution by Nonlinear Focusing Forces** – *Y. Yuri, I. Ishibori, T. Ishizaka, S. Okumura, T. Yuyama (JAEA/TARRI)*
- THPEC042 **Thermal and Structural Stability of Medium Energy Target Carrier Assembly for NOvA at Fermilab** – *M.W. McGee, C.R. Ader, K. Anderson, J. Hysten, M.A. Martens (Fermilab)*
- THPEC043 **Mechanical Design of Ceramic Beam Tube Braze Joints for NOvA Kicker Magnets** – *C.R. Ader, R.E. Reilly, J.H. Wilson (Fermilab)*
- THPEC044 **Design Methodology and Considerations for NOvA 53 MHz RF Cavities** – *C.R. Ader, M.P. May, D. Wildman (Fermilab)*
- THPEC045 **Electrostatic Separator and K1.8 Secondary Beamline at the J-PARC Hadron-Hall** – *M. Ieiri, A. Agari, E. Hirose, Y. Katoh, M. Minakawa, R. Muto, M. Naruki, Y. Sato, S. Sawada, Y. Suzuki, H. Takahashi, T. Takahashi, M. Takasaki, K.H. Tanaka, A. Toyoda, H. Watanabe, Y. Yamanoi (KEK) H. Noumi (RCNP)*

- THPEC046 **Performance and Operational Experience of the CNGS Facility** – E. Gschwendtner, K. Cornelis, I. Efthymiopoulos, A. Ferrari, A. Pardons, H. Vincke, J. Wenninger (CERN) A. Guglielmi (INFN/LNL) P.R. Sala (Istituto Nazionale di Fisica Nucleare)
- THPEC047 **Design and Prototyping of a 400 keV Deuteron RFQ at BARC** – P. Singh, R.K. Choudhury, P. Jain, S. Kailas, R. Kumar, P.K. Nema, R. Pande, S. Roy, V.L. Sista (BARC)
- THPEC048 **Charge Breeding Test Experiment with a Hollow Gun EBIS** – V. Variale, T. Clauser, A.C. Rainò, V. Valentino (INFN-Bari) M.A. Batazova, G.I. Kuznetsov, B.A. Skarbo (BINP SB RAS)
- THPEC049 **New Acceleration Technique by Laser Interaction upon Doped Targets** – V. Nassisi (INFN-Lecce) G. De Pascali (Laboratorio di Elettronica Applicata e Strumentazione, LEAS,) J. Krasa, A. Velyhan (Czech Republic Academy of Sciences, Institute of Physics) L. Velardi (Bari University, Science Faculty)
- THPEC050 **Low Emittance Cu Ion Beams by Laser Interaction and Two Accelerating Gap** – V. Nassisi, M.V. Siciliano (INFN-Lecce) L. Velardi (Bari University, Science Faculty)
- THPEC051 **Low Voltage Electron Beam Bunching, Trapping and Detection** – M. Cavenago (INFN/LNL) F. Cavaliere, G. Maero, B. Paroli, R. Pozzoli, M. Romé (Universita' degli Studi di Milano e INFN)
- THPEC052 **Negative Ion and Electron Plasma Sheath and Beam Extraction** – M. Cavenago (INFN/LNL)
- THPEC053 **NIO1 a Versatile Negative Ion Source** – M. Cavenago, T. Kulevoy, S. Petrenko (INFN/LNL) V. Antoni, G. Serinanni, P. Veltri (Consorzio RFX, Associazione Euratom-ENEA sulla Fusione)
- THPEC054 **Angular Distribution of Laser Ablation Plasma** – T. Kanesue (Kyushu University, Department of Applied Quantum Physics and Nuclear Engineering) R. Dabrowski, M. Okamura (BNL) T. Kanesue (RIKEN Nishina Center) K. Kondo (Department of Energy Sciences, Tokyo Institute of Technology)
- THPEC055 **DPIS with Solenoid Field** – T. Kanesue (Kyushu University, Department of Applied Quantum Physics and Nuclear Engineering) R. Dabrowski, M. Okamura (BNL) T. Kanesue (RIKEN Nishina Center) K. Kondo (Department of Energy Sciences, Tokyo Institute of Technology)
- THPEC056 **Recent Development of ECR Ion Sources at RCNP** – T. Yorita, M. Fukuda, K. Hatanaka, M. Kibayashi, S. Morinobu, H. Okamura, A. Tamii (RCNP)
- THPEC057 **Acceleration Test of 2-beam Type IH-RFQ Linac** – T. Ishibashi, T. Hattori, N. Hayashizaki (RLNR)
- THPEC058 **Development of MUSASHI, a Mono-energetic Ultra-slow Antiproton Beam Source** – N. Kuroda, Y. Enomoto, H. Imao, C.H. Kim, Y. Matsuda, H.A. Torii, Y. Yamazaki (The University of Tokyo, Institute of Physics) H. Higaki

(HUI/AdSM) H. Hori (MPQ) Y. Kanai, A. Mohri, Y. Nagata (RIKEN) K. Kira (Hiroshima University, Graduate School of Advanced Sciences of Matter) K. Michishio (Tokyo University of Science) H. Saitoh (University of Tokyo) M. Shibata (KEK)

- THPECO59 **Development of Very Small ECR H⁺ Ion Source –**
scheduled as
 MOPEC086 M. Ichikawa, H. Fujisawa, Y. Iwashita, H. Tongu, S. Ushijima, M. Yamada (Kyoto ICR)
- THPECO60 **Developments of RIKEN New Superconducting ECR Ion Source –** Y. Higurashi (RIKEN Nishina Center)
- THPECO61 **Extraction System and Beam Qualities of the RIKEN Full Superconducting ECR Ion source –** J. Ohnishi, Y. Higurashi, O. Kamigaito, T. Nakagawa, Y. Sato (RIKEN Nishina Center)
- THPECO62 **LIS in Low Power Density for RHIC-EBIS –** K. Kondo (Department of Energy Sciences, Tokyo Institute of Technology) R. Dabrowski, M. Okamura (BNL) T. Kanetsue (Kyushu University, Department of Applied Quantum Physics and Nuclear Engineering)
- THPECO63 **Physics Design of a Photo Fission Ion Source –** K.O.LEE. Lee, K.H. Chung (KAPRA) H.G. Joo, S.K. Kauh (SNU) S.K. Ko (University of Ulsan)
- THPECO64 **Production of Highly Charged Ions with Electron String Ion Source "Krypton-2" and their Acceleration in JINR NUCLOTRON Synchrotron Facility –** E.D. Donets, I.K. Djakupov, D.E. Donets, E.E. Donets, S.V. Gudkov, V.V. Salnikov, V.B. Shutov (JINR)
- THPECO65 **GEANT-4 Simulations of Secondary Positron Emitted Carbon Ion Beams –** E. Syresin, V.P. Volnyh (JINR)
- THPECO66 **Electron String Ion Source Applied for Formation of Primary Radioactive Carbon Ion Beams –** E. Syresin, D.E. Donets, E.D. Donets, E.E. Donets, V.V. Salnikov, V.B. Shutov (JINR) T. Honma, M. Kanazawa, K. Noda (NIRS)
- THPECO67 **Design and Construction of Tubular Electron String Ion Source –** E. Syresin, D.E. Donets, E.D. Donets, E.E. Donets, V.M. Drobin, V.B. Shutov (JINR) A.E. Dubinov, R.M. Garipov, I.V. Makarov (VNIIEF) A.V. Shabunov (JINR/LHE)
- THPECO68 **First Simulation Tests for the Bilbao Accelerator Ion Source Test Stand –** I. Bustinduy, D. Fernandez-Cañoto, D. de Cos (ESS Bilbao) J. Alonso, M. Eguiraun, R. Enparantza, M. Larrañaga (Fundación TEKNIKER) F.J. Bermejo (Bilbao, Faculty of Science and Technology) V. Etxebarria, J. Portilla (University of the Basque Country, Faculty of Science and Technology) J. Feuchtwanger (ESS-Bilbao)
- THPECO69 **Beam Dynamics Studies on the Radio-Frequency Quadrupole for the Bilbao Accelerator –** I. Bustinduy, D. de Cos (ESS Bilbao) F.J. Bermejo (Bilbao, Faculty of Science and Technology) V. Etxebarria, J. Portilla (University

of the Basque Country, Faculty of Science and Technology
J. Feuchtwanger (ESS-Bilbao)

- THPECO70 **Pulse Lengthening Experiments on the FETS Ion Source** – D.C. Faircloth, S.R. Lawrie, A.P. Letchford (STFC/RAL/ISIS)
- THPECO71 **Highly Polarized Ion Sources** – V.G. Dudnikov, R.P. Johnson (Muons, Inc) Y.S. Derbenev, Y. Zhang (JLAB)
- THPECO72 **High Brightness Surface Plasma Sources of Negative Hydrogen Ions** – V.G. Dudnikov, R.P. Johnson (Muons, Inc) M.P. Stockli, R.F. Welton (ORNL)
- THPECO73 **RF H⁻ Ion Source with Saddle Antenna** – V.G. Dudnikov, R.P. Johnson (Muons, Inc) G. Dudnikova (UMD) M.P. Stockli, R.F. Welton (ORNL)
- THPECO74 **High Current Density Lithium Ion Source** – R. Sah, A. Dudas, M.L. Neubauer (Muons, Inc) J.W. Kwan (LBNL)
- THPECO75 **Laser Ion Source with a Static Magnet Field at the Ion Generating Surface** – R. Dabrowski, M. Okamura (BNL) T. Kanesue (Kyushu University, Department of Applied Quantum Physics and Nuclear Engineering) K. Kondo (Department of Energy Sciences, Tokyo Institute of Technology)
- THPECO76 **Ion Generation via a Laser Ion Source with Hot Target** – R. Dabrowski, M. Okamura (BNL) T. Kanesue (Kyushu University, Department of Applied Quantum Physics and Nuclear Engineering) K. Kondo (Department of Energy Sciences, Tokyo Institute of Technology)
- THPECO77 **Confinement of Laser Plasma by Solenoidal Field for Laser Ion Source** – M. Okamura, R. Dabrowski (BNL) A.G. Adeyemi (Holyoke Community College) T. Kanesue (Kyushu University, Department of Applied Quantum Physics and Nuclear Engineering) K. Kondo (Department of Energy Sciences, Tokyo Institute of Technology)
- THPECO78 **Cryocatcher for the Control of Ionization Beam Loss in SIS100** – L.H.J. Bozyk (TU Darmstadt) H. Kollmus, P.J. Spiller (GSI)
- THPECO79 **Collimation and Material Science Studies (COLMAT) at GSI** – J. Stadlmann, H. Kollmus, E. Mustafin, I.J. Petzenhauser, P.J. Spiller, N.A. Tahir, C. Trautmann (GSI) L.H.J. Bozyk, M. Krause (TU Darmstadt) M. Tomut (INFIM)
- THPECO80 **Fabrication of Silicon Crystals for CERN UA9 Experiment** – A. Mazzolari (INFN-Ferrara)
- THPECO81 **Upgrade of Radiation Shield for BT Collimators** – M.J. Shirakata, T. Oogoe (KEK)
- THPECO82 **The Collimation System of the CSNS Ring** – N. Wang, N. Huang, Q. Qin, S. Wang (IHEP Beijing)
- THPECO83 **Dump and Current Measurement of Unstripped H⁻ Ions at the Injection from the CERN LINAC4 into the PS Booster** – R. Chamizo, J. Borburgh, B. Goddard, A. Mereghetti, M. Silari, R. Versaci, W.J.M. Weterings (CERN)

- THPEC084 **Crystal Collimation Efficiency Measured with the Medipix Detector in SPS UA9 Experiment** – *E. Laface, L. Tlustos (CERN) V. Ippolito (INFN-Roma)*
- THPEC085 **Beam-beam Effect for the LHC Phase I Luminosity Upgrade** – *E. Laface, S.D. Fartoukh, F. Schmidt (CERN)*
- THPEC086 **Status of the UA9 Experiment** – *W. Scandale (CERN)*
- THPEC087 **Measurement of Nuclear Reaction Rates in Crystals using the CERN-SPS North Area Test Beams** – *W. Scandale (CERN) A.M. Taratin (JINR)*
- THPEC088 **Simulation based Optimization of a Collimator System for the Beam Current Upgrade at the PSI Proton Accelerator Facilities** – *Y. Lee, V. Gandel, D.C. Kiselev, D. Reggiani, M. Seidel, S. Teichmann (PSI)*
- THPEC089 **Overview of Solid Target Studies for a Neutrino Factory** – *T.R. Edgecock (STFC/RAL) J.J. Back (University of Warwick) J.R.J. Bennett (STFC/RAL/ISIS) C.N. Booth, G.P. Skoro (Sheffield University) S.J. Brooks (STFC/RAL/ASTeC)*
- THPEC090 **The EMMA Non-scaling FFAG** – *T.R. Edgecock (STFC/RAL) C.D. Beard, J.A. Clarke, S.A. Griffiths, C. Hill, S.P. Jamison, J.K. Jones, A. Kalinin, K.B. Marinov, N. Marks, P.A. McIntosh, B.D. Muratori, J.E. Orrett, Y.M. Saveliev, B.J.A. Shepherd, R.J. Smith, S.L. Smith, S.I. Tzenov, A.E. Wheelhouse (STFC/DL/ASTeC) J.S. Berg (BNL) N. Bliss, C.J. White (STFC/DL) J.L. Crisp, C. Johnstone (Fermilab) Y. Giboudot (Brunel University) E. Keil (CERN) D.J. Kelliher, S. Machida (STFC/RAL/ASTeC) S.R. Koscielniak (TRIUMF) F. Meot (CEA) J. Pasternak (Imperial College of Science and Technology, Department of Physics) S.L. Sheehy, T. Yokoi (JAI)*
- THPEC091 **Tungsten Behavior at High Temperature and High Stress** – *G.P. Skoro, C.N. Booth (Sheffield University) J.J. Back (University of Warwick) J.R.J. Bennett, S.A. Gray, A.J. McFarland (STFC/RAL/ISIS) T.R. Edgecock (STFC/RAL)*
- THPEC092 **A Pion Production and Capture System for a 4MW Target Station** – *X.P. Ding, D.B. Cline (UCLA) J.S. Berg, H.G. Kirk (BNL)*

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| 27-May-10 | 16:00 – 18:00 | Poster | Poster Hall D |
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| THPD — Poster Session | | | |
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- THPD001 **Electron Linac Photo-fission Driver for the Rare Isotope Program at TRIUMF** – *S.R. Koscielniak, F. Ames, R.A. Baartman, I.V. Bylinskii, Y.-C. Chao, K. Fong, R.E. Laxdal, M. Marchetto, L. Merminga, A.K. Mitra, I. Sekachev, V.A. Verzilov, V. Zvyagintsev (TRIUMF)*
- THPD002 **Compact Solid State Direct Drive RF LINAC** – *O. Heid, T.J.S. Hughes (Siemens AG, Healthcare Technology and Concepts)*
- THPD003 **Test and Commissioning of the Third Harmonic RF System for FLASH** – *E. Vogel, C. Albrecht, N. Baboi, J. Eschke, M.G. Hoffmann, M. Huening, D. Kostin, G. Kreps, W. Maschmann, Ch. Schmidt, J.K. Sekutowicz (DESY) H.T. Edwards, E.R. Harms, A. Hocker, T.N. Khabiboulline (Fermilab)*

- THPD004 **Design of the Positron Transport System for SuperKEKB** – *N. Iida, T. Kamitani, M. Kikuchi, Y. Ogawa, K. Oide (KEK)*
- THPD005 **Development and Application of the Trigger Timing Watchdog System in KEK Electron/positron Linac** – *M. Satoh, K. Furukawa, T. Suwada (KEK) T. Kudou, S. Kusano (MELCO SC)*
contribution with-drawn
- THPD006 **Simultaneous Top-up Injection for Three Different Rings in KEK Injector Linac** – *M. Satoh (KEK)*
- THPD007 **The Linac Upgrade Plan for SuperKEKB** – *T. Sugimura (KEK)*
- THPD008 **Upgrade of Cartridge-type Exchangeable Na₂K₂Sb Cathode RF Gun** – *M. Uesaka, Y. Muroya, T. Ueda (The University of Tokyo, Nuclear Professional School) K. Kanbe, K. Miyoshi (University of Tokyo)*
- THPD009 **Study on the High Order Modes of the 3.5cell Cavity at Peking University** – *F. Wang, F.S. He, L. Lin, K. Zhao (PKU/IHIP)*
- THPD010 **Development of an ITC-RF Gun for Compact THz Radiation** – *M. Li, W. Bai (CAEP/IAE)*
- THPD011 **Lattice Design for the LHeC Recirculating Linac** – *Y. Sun, A.L. Eide, F. Zimmermann (CERN)*
- THPD012 **Emittance Growth in the LHeC Recirculating Linac** – *Y. Sun, F. Zimmermann (CERN)*
- THPD013 **Construction of a Thermionic RF Gun Linac System for Ultrashort Electron Beam** – *W.K. Lau, J.H. Chen, J.-Y. Hwang, A.P. Lee, C.C. Liang, T.H. Wu (NSRRC) W.C. Cheng (National Chiao Tung University) N.Y. Huang (NTHU)*
- THPD014 **Muon Backgrounds in CLIC** – *H. Burkhardt (CERN) G.A. Blair, L.C. Deacon (Royal Holloway, University of London)*
- THPD015 **Demonstration of Long-pulse 9mA Operation at FLASH** – *J. Carwardine (ANL) S. Schreiber, N.J. Walker (DESY)*
- THPD016 **Upgrade of the Drive LINAC for the AWA Facility Dielectric Two-Beam Accelerator** – *J.G. Power, S.P. Antipov, M.E. Conde, W. Gai, W. Liu (ANL)*
- THPD017 **Vibrational Measurements for Commissioning SRF Accelerator Test Facility at Fermilab** – *M.W. McGee, J.R. Leibfritz, A. Martinez, W. Schappert (Fermilab)*
contribution with-drawn
- THPD018 **Generation and Applications of High-brightness Electron Beams at the Fermilab NML Facility** – *P. Piot, M.D. Church, Y.-E. Sun (Fermilab) C.R. Prokop (Northern Illinois University)*
- THPD019 **Experimental Generation of Longitudinally-modulated Electron Beams using an Emittance-exchange Technique** – *Y.-E. Sun, H.T. Edwards, A.S. Johnson, A.H. Lumpkin, J. Ruan, J.K. Santucci, J.C.T. Thangaraj, R. Thurman-Keup (Fermilab) P. Piot (Northern Illinois University)*
- THPD020 **Beam Dynamics Simulations of the NML Photoinjector at Fermilab** – *Y.-E. Sun, M.D. Church (Fermilab) P. Piot (Northern Illinois University)*

- THPD021 **Distributed Coupling and Optimization of Standing-Wave Linear Accelerators for Ultra High Gradient Applications** – *S.G. Tantawi (SLAC)*
- THPD022 **FFAG Tracking with Cyclotron Codes** – *M.K. Craddock (UBC & TRIUMF) Y.-N. Rao (TRIUMF)*
- THPD023 **Beam Dynamics Simulations regarding the Experimental FFAG EMMA** – *F. Meot (CEA) Y. Giboudot (Brunel University) D.J. Kelliher (STFC/RAL/ASTeC) T. Yokoi (JAI)*
- THPD024 **Developments in the EMMA Experimental FFAG Online Commissioning Code** – *F. Meot (CEA) J.S. Berg (BNL) Y. Giboudot (Brunel University) D.J. Kelliher (STFC/RAL/ASTeC) S.C. Tygier (UMAN)*
- THPD025 **Recent Status of the MAMI-C Accelerator and First Experience with the Energy Upgrade towards 1.6 GeV** – *R.G. Heine, K. Aulenbacher, M. Dehn, H. Euteneuer, A. Jankowiak, P. Jennewein, H.-J. Kreidel, U. Ludwig-Mertin, O. Ott, G.S. Stephan, V. Tioukine (IKP) O. Chubarov (Siemens AG)*
- THPD026 **Beam Optics and Magnet Design of Helium Ion FFAG Accelerator** – *H.L. Luo, H. Hao, X.Q. Wang, Y.C. Xu (USTC/NSRL)*
- THPD027 **Orbit Correction in a non-scaling FFAG** – *D.J. Kelliher, S. Machida (STFC/RAL/ASTeC)*
- THPD028 **First Results from EMMA Commissioning** – *S.L. Smith, B.D. Muratori, Y.M. Saveliev, S.I. Tzenov (STFC/DL/ASTeC) J.S. Berg (BNL) N. Bliss (STFC/DL) T.R. Edgecock (STFC/RAL)*
- THPD029 **Setting the Beam onto the Reference Orbit in Non Scaling FFAG Accelerators** – *S.I. Tzenov, J.K. Jones, B.D. Muratori (STFC/DL/ASTeC) Y. Giboudot (Brunel University)*
- THPD030 **Characterisation and Optimisation of the ALICE Accelerator as an Injector for the EMMA NS-FFAG** – *J.M. Garland (UMAN)*
- THPD031 **Development of Tomographic Reconstruction Methods for Studies of Transverse Phase Space in the EMMA FFAG Injection and Extraction Lines** – *M.G. Ibison, K.M. Hock, D.J. Holder, M. Korostelev (Cockcroft Institute)*
- THPD032 **Modern High-Order Description of the Dynamics in FFAGs and Related Accelerators** – *C. Johnstone (Fermilab) M. Berz, K. Makino (MSU) P. Snopok (UCR)*
- THPD033 **Nonlinear Propagation of Laser Pulses in Plasmas: a Comparison between Numerical and Analytical Solutions** – *A. Bonatto, R. Pakter, F.B. Rizzato (IF-UFRGS)*
- THPD034 **Stable Compact Proton Beam Acceleration from a Two-specie Ultrathin Foil Target** – *T.P. Yu, M. Chen, A.M. Pukhov (HHUD)*
- THPD035 **Matching the Laser Generated p - bunch into a CH-DTL** – *A. Almomani, M. Droba, U. Ratzinger (IAP) I. Hofmann (GSI)*
- THPD036 **Electron Acceleration by a Whistler Pulse** – *R. Singh (Indian Institute of Technology Delhi, Plasma Physics Group) A.K. Sharma (Indian Institute of Technology Delhi)*

- THPD037 **Studies on Beam Loading in the CLIC RF Deflectors** – *D. Alesini, C. Biscari, A. Ghigo (INFN/LNF)*
- THPD038 **Hybrid Schemes for the Post-acceleration of Laser Generated Protons** – *A. Mostacci, L. Lampariello, M. Migliorati, L. Palumbo (Rome University La Sapienza) D. Alesini, P. Antici (INFN/LNF) L. Picardi, C. Ronsivalle (ENEA C.R. Frascati)*
- THPD039 **Proton Generation Driven by a High Intensity Laser Using a Thin-foil Target** – *A. Sagisaka, S.V. Bulanov, H. Daido, T. Esirkepov, T. Hori, S. Kanazawa, H. Kiriyama, K. Kondo, S. Kondo, M. Mori, Y. Nakai, M. Nishiuichi, K. Ogura, H. Okada, S. Orimo, A.S. Pirozhkov, H. Sakaki, F. Sasao, H. Sasao, T. Shimomura, A. Sugiyama, H. Sugiyama, M. Tampo, M. Tanoue, D. Wakai, A. Yogo (JAEA) I.W. Choi, J. Lee (APRI-GIST) H. Nagatomo (ILE Osaka) K. Nemoto, Y. Oishi (Central Research Institute of Electric Power Industry)*
- THPD040 **Collimated Electron and Proton Beam from Ultra-intense Laser Interaction with a Rear Hole Target** – *X.H. Yang, T.L. Tian, Y. Yin, T.P. Yu (National University of Defense Technology) Y.Q. Gu (Laser Fusion Research Center, China Academy of Engineering Physics) S. Kawata, Y.Y. Ma (Center for Optical Research and Education, Utsunomiya University) E.Q. Shao (National University of Defense Technology, Graduate School) H. Xu (National University of Defense Technology, Parallel and Distributed Processing) M.Y. Yu (Ruhr-Universität Bochum)*
- THPD041 **Evolution of Electron Bunches in a Combined Quasi-static and Laser Electric Field** – *V.A. Papadichev (LPI)*
- THPD042 **Dispersion Engineering and Disorder in Photonic Crystals for Accelerator Applications** – *R. Seviour (Lancaster University)*
- THPD043 **Metamaterial Mediated Inverse Cherenkov Acceleration** – *Y.S. Tan (Lancaster University) R. Seviour (Cockcroft Institute, Lancaster University)*
- THPD044 **Wakefields in Photonic Crystal Accelerator Cavities** – *G.R. Werner, C.A. Bauer, J.R. Cary (CIPS)*
- THPD045 **Fabrication of a Laser-based Microstructure for Particle Acceleration** – *J. Zhou, G. Travish (UCLA) R.B. Yoder (Manhattanville College)*
- THPD046 **Initial Results on Electron Beam Generation using Pyroelectric Crystals** – *U.H. Lacroix, D.M. Fong, G. Travish, N. Vartanian (UCLA) E.R. Arab (PBPL) R.B. Yoder (Manhattanville College)*
- THPD047 **A Tapered Dielectric Structure for Laser Acceleration at Low Energy** – *J.C. McNeur, J.B. Rosenzweig, G. Travish (UCLA) R.B. Yoder (Manhattanville College)*
- THPD048 **First High-gradient Tests of the Single-cell SC Cavity with the Feedback Waveguide** – *P.V. Avrakhov, A. Kanareykin (Euclid TechLabs, LLC) M. Ge, I.G. Gonin, T.N. Khabiboulline, N. Solyak, G. Wu, V.P. Yakovlev (Fermilab) J. Rathke (AES)*

- THPD049 **Controlled Charge Injection for LWFA and Novel Beam Characterization Techniques** – *L. Veisz, C.M.S. Sears (MPQ)*
- THPD050 **A Proposed Experiment on Proton Driven Plasma Wakefield Acceleration** – *A. Caldwell, G.X. Xia (MPI-P) R.W. Assmann, F. Zimmermann (CERN) K.V. Lotov (BINP SB RAS) A.M. Pukhov (HHUD)*
- THPD051 **Producing Short Proton Bunch for Driving Plasma Wakefield Acceleration** – *G.X. Xia, A. Caldwell (MPI-P)*
- THPD052 **Manipulation of Negatively Charged Beams via Coherent Effects in Bent Crystals** – *V. Guidi, E. Bagli, A. Mazzolari (INFN-Ferrara) A.G. Afonin, Y.A. Chesnokov, V.A. Maisheev, I.A. Yazynin (IHEP Protvino) S. Baricordi, P. Dalpiaz, M. Fiorini, D. Vincenzi (UNIFE) D. Bolognini, S. Hasan, M. Prest (Università dell'Insubria & INFN Milano Bicocca) G. Della Mea, R. Milan (INFN/LNL) A.S. Denisov, Yu.A. Gavrikov, Yu.M. Ivanov, L.P. Lapina, L.G. Malyarenko, V. Skorobogatov, V.M. Suvorov, S.A. Vavilov (PNPI) S. Golovatyuk, A.D. Kovalenko, A.M. Taratin (JINR) A. Mattera (INFN MIB) W. Scandale (CERN) S. Shiraiishi (Enrico Fermi Institute, University of Chicago) E. Vallazza (INFN-Trieste) A. V. Vomiero (INFN-CNR, Istituto Nazionale di Fisica della Materia - Consiglio Nazionale delle Ricerche)*
- THPD053 **Capture and Transport of Electron Beams from Plasma Injectors** – *P. Antici, A. Mostacci (INFN/LNF) C. Benedetti (Bologna University) M. Migliorati, L. Palumbo (Rome University La Sapienza)*
- THPD054 **Inverse Compton Scattering by Laser Accelerated Electrons and its Application to Standoff Detection of Hidden Objects** – *Y. Kitagawa, K. Fujita, R. Hanayama, K. Ishii, Y. Mori (GPI) T. Kawashima (Hamamatsu Photonics K.K.) H. Kuwabara (IHI)*
- THPD055 **Improvement of Quality of Proton Beam during Laser Acceleration and Propagation** – *Y.Y. Ma, S. Kawata, K. Takahashi (Center for Optical Research and Education, Utsunomiya University) Y.Q. Gu, Y.Y. Ma (Laser Fusion Research Center, China Academy of Engineering Physics) F.Q. Shao (National University of Defense Technology, Graduate School) Z.M. Sheng (Shanghai Jiao Tong University) Y. Yin, T.P. Yu, D. F. Zhou (National University of Defense Technology) M.Y. Yu (Ruhr-Universität Bochum) H.B. Zhuo (National University of Defense Technology, Parallel and Distributed Processing)*
- THPD056 **Experimental Program for the CLIC Test Facility 3 Test Beam Line** – *E. Adli (University of Oslo) A.E. Dabrowski, S. Doebert, M. Olvegaard, D. Schulte, I. Syratchev (CERN) R.L. Lillestol (NTNU)*
- THPD057 **The Analysis of Tunable Dielectric Loaded Wakefield Accelerating Structure of Rectangular Geometry** – *I.L. Sheynman, A. Altmark, S. Baturin (LETT) A. Kanareykin (Euclid TechLabs, LLC)*

- THPD058 **Definition of Focusing System Parameters on the Basis of the Analysis of a Transverse Bunch Dynamics in Dielectric Loaded Wakefield Accelerator** – I.L. Sheynman (LETT) A. Kanareykin (Euclid TechLabs, LLC)
- THPD059 **The Status of Turkish Accelerator Center Project** – S. Ozkorucuklu (SDU) O. Yavas (Ankara University, Faculty of Engineering)
- THPD060 **Wakefield Excitation and Electron Energy Gain in Combined Plasma-dielectric Structure** – I.N. Onishchenko, V. Kiselev, A. Linnik, V. Uskov (NSC/KIPT)
- THPD061 **Space Charge and Group Velocity Effects at Wakefield Excitation in a Rectangular Multi-zone Dielectric Resonator** – G.V. Sotnikov, K.V. Galaydych, P.I. Markov (NSC/KIPT)
- THPD062 **Argonne Wakefield Accelerator Facility (AWA) Upgrades** – M.E. Conde, S.P. Antipov, W. Gai, R. Konecny, W. Liu, J.G. Power, Z.M. Yusof (ANL) C.-J. Jing (Euclid TechLabs, LLC)
- THPD063 **Design and High Power Test of Photonic Bandgap Structures for Accelerator Applications** – R.J. Temkin, R.A. Marsh, B.J. Munroe, M.A. Shapiro (MIT/PSFC)
- THPD064 **Betatron Radiation from an Off-axis Witness Bunch in a Plasma Wakefield Accelerator** – P. Muggli, O. Chang, Y. Shi (USC) C. Huang (LANL) W.B. Mori (UCLA)
- THPD065 **Design, Simulations and Experimental Plan of a Proof-of-principle, Laser-powered Dielectric Accelerator for Medical and Industrial Applications** – S. Boucher, R. Tikhoplav (RadiaBeam) J.B. Rosenzweig, G. Travish (UCLA) R.B. Yoder (Manhattanville College)
- THPD066 **Observation of Wakefields in a Beam-Driven Photonic Band Gap Accelerating Structure** – C.-J. Jing (Euclid TechLabs, LLC) S.P. Antipov, M.E. Conde, W. Gai, F. Gao, J.G. Power, Z.M. Yusof (ANL) H. Chen, C.-X. Tang, S.X. Zheng (TUB)
- THPD067 **The First Experiment of a 26 GHz Dielectric Based Wakefield Power Extractor** – C.-J. Jing, F. Gao, A. Kanareykin, P. Schoessow (Euclid TechLabs, LLC) M.E. Conde, W. Gai, R. Konecny, J.G. Power (ANL)
- THPD068 **Experiment on a Tunable Dielectric-Loaded Accelerating Structure** – C.-J. Jing, A. Kanareykin, P. Schoessow (Euclid TechLabs, LLC) M.E. Conde, W. Gai, J.G. Power (ANL) E. Nenasheva (Ceramics Ltd.)
- THPD069 **Studies of Nonlinear Media with Accelerator Applications** – P. Schoessow, A. Kanareykin (Euclid TechLabs, LLC) S. Baturin (LETT) V.P. Yakovlev (Fermilab)
- THPD070 **Numerical and Experimental Studies of Dispersive, Active, and Nonlinear Media with Accelerator Applications** – P. Schoessow, C.-J. Jing, A. Kanareykin (Euclid TechLabs, LLC) S.P. Antipov (ANL)
- THPD071 **Electron energy recovery linacs for ultra-high energies** – V. Litvinenko (BNL)

- THPD072 **Laser Energy Conversion to Solitons and Monoenergetic Protons in Near-critical Hydrogen Plasma** – *I. Pogorelsky, M. Babzien, M.N. Polyanskiy, V. Yakimenko (BNL) N. Dover, Z. Najmudin, C.A.J. Palmer, J. Schreiber (Imperial College of Science and Technology, Department of Physics) G. Dudnikova (UMD) M. Ispiryan, P. Shkolnikov (Stony Brook University)*
- THPD073 **Acceleration Module in Linear Induction Accelerator** – *S. Wang, S. Chen (CAEP/IFP)*
- THPD074 **Project-X, Neutrino Factories, and Muon Colliders** – *G. Flanagan, R.J. Abrams, C.M. Ankenbrandt, M.A.C. Cummings, R.P. Johnson (Muons, Inc) M. Popovic (Fermilab)*
- THPD075 **LOCO based Analysis of CesrTA Emittance Coupling** – *R.T. Dowd (ASCo) D. L. Rubin, J.P. Shanks (CLASSE)*
- THPD076 **Transverse Coupling at the UVX LNLS Storage Ring** – *X.R. Resende, R.H.A. Farias, L. Liu, M.B. Plotegher (LNLS)*
- THPD077 **Linear Collider Test Facility: Linear Optics Beam Size Corrections at the IP of ATF2 using Upright and Skew Quadrupoles** – *B. Bolzon, A. Jeremie (IN2P3-LAPP) S. Bai (IHEP Beijing) P. Bambade (KEK) J. Resta-López (JAI) G.R. White (SLAC)*
- THPD078 **A Non Invasive Technique for the Transverse Matching in a Periodic Focusing Channel of a Linac** – *R.D. Duperrier, D. Uriot (CEA)*
- THPD079 **Optics Design of the SPIRAL2 Super Separator Spectrometer S3** – *J. Payet, M. Authier, D. Boutin, O. Delferriere, A. Drouart, D. Uriot (CEA) S.L. Manikonda, J.A. Nolen (ANL)*
- THPD080 **Coupling Measurements in ATF2 Extraction Line** – *C. Rimbault (LAL) S. Kuroda, T. Tauchi, N. Terunuma (KEK) G.R. White, M. Woodley (SLAC)*
- THPD081 **Reducing Energy Spread of the Beam by Non-isochronous Recirculation at the S-DALINAC** – *F Hug, A. Araz, R. Eichhorn, N. Pietralla (TU Darmstadt)*
- THPD082 **Beam Simulation Studies for a Stellarator Type Storage Ring** – *M. Droba, N.S. Joshi, O. Meusel, U. Ratzinger (IAP)*
- THPD083 **Apochromatic Beam Transport in Drift-Quadrupole Systems** – *V. Balandin, R. Brinkmann, W. Decking, N. Golubeva (DESY)*
- THPD084 **Two Cell Repetitive Achromats and Four Cell Mirror Symmetric Achromats** – *V. Balandin, R. Brinkmann, W. Decking, N. Golubeva (DESY)*
- THPD085 **Correction of the Linear Optics at PETRA III** – *J. Keil, K. Balewski (DESY)*
- THPD086 **Measurement and Correction of Transverse Dispersion in PETRA III** – *G.K. Sahoo, K. Balewski, W. Decking, J. Keil (DESY)*
- THPD087 **Potential Forms for Electrostatic and Magnetic Cylindrical Lens and Tracking of Charged Particle** – *M.H. Rashid, R.K. Bhandari, C. Mallik (DAE/VECC)*

- THPD088 **Study of Coupler's Effects in ILC Like Lattice** – *A. Saini (University of Delhi) A. Latina, A. Lunin, K. Ranjan, N. Solyak, V.P. Yakovlev (Fermilab)*
- THPD089 **Analytical Formula for the Transient Bunch Lengthening by a Betatron Motion along Bending Sections** – *Y. Shoji (NewSUBARU/SPring-8, Laboratory of Advanced Science and Technology for Industry (LASTI))*
- THPD090 **Design of Modified Lattice of Long Straight Section in the SPring-8 Storage Ring** – *K. Soutome, K. Fukami, M. Oishi, Y. Okayasu, J. Schimizu, Y. Shimosaki, M. Shoji, M. Takao, H. Yonehara (JASRI/SPring-8)*
- THPD091 **Explicit Maps for the Fringe Field of a Quadrupole** – *D.M. Zhou (KEK) Y. Chen, J. Tang, N. Wang (IHEP Beijing)*
- THPD092 **Applications for Advanced FFAG Accelerator** – *J.-B. Lagrange, Y. Ishi, Y. Kuriyama, Y. Mori, K. Okabe, T. Planche, T. Uesugi, E. Yamakawa (KURRI)*
- THPD093 **New Approach for Muon Acceleration with Zero-chromatic FFAGs** – *T. Planche, Y. Ishi, Y. Kuriyama, J.-B. Lagrange, Y. Mori, K. Okabe, T. Uesugi, E. Yamakawa (KURRI)*
- THPD094 **Production of Femtosecond Electron Pulse using Alpha Magnet together with off-crest Acceleration for Generation of Coherent THz Radiation** – *F. Miyahara, H. Hama, F. Hinode, M. Kawai, T. Muto, K. Nanbu, H. Oohara, Y. Tanaka (Tohoku University, School of Science)*
- THPD095 **Effects of Magnetic Field Imperfections in the J-PARC 3-GeV RCS** – *H. Hotchi (JAEA/J-PARC)*
- THPD096 **Optical Configurations with Variable β^* at Different IP Locations in ATF2** – *S. Bai (IHEP Beijing) P. Bambade (KEK) B. Bolzon (IN2P3-LAPP)*

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|------------------------------|---------------|--------|---------------|
| 27-May-10 | 16:00 – 18:00 | Poster | Poster Hall E |
| THPE — Poster Session | | | |

- THPE001 **Low Emittance Lattice Design using Multiobjective Genetic Algorithm** – *W.W. Gao, W. Li, L. Wang (USTC/NSRL)*
- THPE002 **Lattice Compensation for FEL Wigglers at Duke Storage Ring** – *H. Hao (USTC/NSRL)*
- THPE003 **Analysis of the Effect of Environment Temperature on the Magnetic Field in the Hefei Light Source (HLS) storage ring** – *H.Q. Huang, H. Hao, W.W. Li, P.P. Wang, X.Q. Wang, D.R. Xu (USTC/NSRL)*
- THPE004 **Analysis of the Effect of Ambient Temperature on the Beam Orbit of the Hefei Light Source Storage Ring** – *J.J. Tian, H. Hao, X.Q. Wang (USTC/NSRL)*
- THPE005 **Beam Polarization Theory and its Application to HLS Storage Ring** – *J.Q. Lan, B. Sun, Y.C. Sun, H. Xu (USTC/NSRL)*
- THPE006 **Closed Orbit Correction Study of HLS II** – *S.C. Zhang (USTC/NSRL)*
- THPE007 **A Design of HLS Transport Line with Skew Quadrupoles** – *S.C. Zhang (USTC/NSRL)*

- THPE008 **Issues on Beam Dynamics in PLS-II** – S.W. Jang, J.G. Hwang, E.-S. Kim, Y.I. Kim (Kyungpook National University)
- THPE009 **Non-linear Beam Dynamics for Sextupole in RCS** – S.W. Jang, E.-S. Kim (Kyungpook National University)
- THPE010 **PLS-II Lattice Design and Beam Dynamics** – S. Shin (PLS) J. Choi, I. Hwang, C. Kim, K.R. Kim, M. Kim, S.H. Nam, S.J. Park (PAL) H. Wiedemann (SLAC)
- THPE011 **Coupling Diagnostics and Control at PLS Storage Ring** – I. Hwang, C. Kim, K.R. Kim, M. Kim, S.H. Nam, S.J. Park, S. Shin (PAL) J. Hou, L.G. Liu (SINAP)
- THPE012 **U400 Cyclotron Spiral Inflector with Beam Vertical Focusing Effect** – I.A. Ivanenko, B. Gikal, G. Gulbekyan (JINR)
- THPE013 **Invariants of Linear Equations of Motion** – N.Yu. Kazari-nov (JINR)
- THPE014 **Round Beam Lattice Correction using Response Matrix at VEPP-2000** – A.L. Romanov (BINP SB RAS)
- THPE015 **Simplified Approach to Evaluation of Beam-beam Tune Spread Compression by Electron Lens** – A.L. Romanov (BINP SB RAS) V.D. Shiltsev, A. Valishev (Fermilab)
- THPE016 **Quantum Methodologies in Light Beam Optics** – S.A. Khan (SCOT)
- THPE017 **Quantum Aspects of Accelerator Optics** – S.A. Khan (SCOT)
- THPE018 **Layout and Optics Solutions for the LHC Insertion Upgrade Phase I** – S.D. Fartoukh (CERN)
- THPE019 **CERN Proton Synchrotron Working Point Matrix for Extended Pole Face Winding Powering Scheme** – P. Freyermuth, D.G. Cotte, M. Delrieux, H. Genoud, S.S. Gilar-doni, K. Hanke, O. Hans, S. Mataguez, G. Metral, F.C. Pe-ters, R.R. Steerenberg, B. Vandorpe (CERN)
- THPE020 **Scenarios for the ATF2 Ultra-Low Betas Proposal** – E. Marin, R. Tomas (CERN) P. Bambade (KEK) A. Seryi, G.R. White, M. Woodley (SLAC)
- THPE021 **Comparison of PS2 Lattices with Different Geometries** – Y. Papaphilippou, W. Bartmann, H. Bartosik, M. Benedikt, B. Goddard (CERN) Y. Senichev (FZJ)
- THPE022 **Linear Optimization and Tunability of the PS2 Lattice** – H. Bartosik, W. Bartmann, M. Benedikt, B. Goddard, Y. Pa-paphilippou (CERN)
- THPE023 **Non-Linear Analysis of the PS2 Negative Momentum Compaction Lattice** – H. Bartosik, M. Benedikt, Y. Papa-philippou (CERN)
- THPE024 **Coupling and Vertical Dispersion Correction in the SPS** – G. Vanbavinckhove, M. Aiba, R. Tomas (CERN) R. Calaga (BNL)
- THPE025 **Coupling and Vertical Dispersion Correction studies for the LHC using Skew Quadrupoles and Vertical Orbit Bumps** – G. Vanbavinckhove, M. Aiba, R. Tomas (CERN) R. Calaga (BNL)

- THPE026 **Software Package for Optics Measurement and Correction in the LHC** – G. Vanbavinckhove, M. Aiba, R. Tomas (CERN) R. Calaga (BNL)
- THPE027 **Construction and Performance of IP Optics Tuning Knobs in the LHC** – S.M. White, M. Giovannozzi, R. Tomas, W. Venturini Delsolaro (CERN)
- THPE028 **LOCO and Alternatives - A Comparison** – M. Böge, M. Aiba, N. Milas, A. Streun (PSI)
- THPE029 **Studies of Insertion Device Modeling on TPS Project** – H.C. Chao, H.-P. Chang, C.-C. Kuo, H.-J. Tsai (NSRRC)
- THPE030 **Double Mini-Betay Optics for TPS Storage Ring** – M.-S. Chiu, H.-P. Chang, H.C. Chao, C.-C. Kuo, H.-J. Tsai, C.H. Yang (NSRRC)
- THPE031 **MATLAB-based Accelerator Physics Applications for the TPS Commissioning and Operation at NSRRC** – F.H. Tseng, H.-P. Chang, J. Chen, P.C. Chiu, K.T. Hsu, C.-C. Kuo, H.-J. Tsai (NSRRC)
- THPE032 **Calculation of Coupled Lattice Functions from Turn-by-turn Trajectory Data in Storage Rings** – A. Wolski, K.G. Panagiotidis (The University of Liverpool)
- THPE033 **Beam Dynamics Studies for the First Muon Linac of the Neutrino Factory** – C. Bontoiu, M. Aslaninejad, J.K. Pozimski (Imperial College of Science and Technology, Department of Physics) S.A. Bogacz (JLAB)
- THPE034 **A Gantry Design for the PAMELA Project** – R.J.L. Fenning, A. Khan (Brunel University) T.R. Edgecock (STFC/RAL) D.J. Kelliher, S. Machida (STFC/RAL/ASTeC)
- THPE035 **A Non-scaling FFAG Dispersion Suppressor** – R.J.L. Fenning, A. Khan (Brunel University) T.R. Edgecock (STFC/RAL) D.J. Kelliher, S. Machida (STFC/RAL/ASTeC)
- THPE036 **Tune Measurement in Non Scaling FFAG EMMA with Model Independent Analysis** – Y. Giboudot (Brunel University) I. Kirkman, A. Wolski (The University of Liverpool)
- THPE037 **Low Alpha Operation of the Diamond Storage Ring** – I.P.S. Martin, G. Rehm, J. Rowland, C.A. Thomas (Diamond) R. Bartolini, I.P.S. Martin (JAI)
- THPE038 **Low-emittance Tuning Simulations for the ILC Damping Rings** – K.G. Panagiotidis, A. Wolski (Cockcroft Institute) K.G. Panagiotidis (The University of Liverpool)
- THPE039 **Investigation of Dipole-field Profiles for Emittance Minimization in Storage Rings** – C.-x. Wang (ANL) Y.M. Peng, G. Xu (IHEP Beijing)
- THPE040 **A Spin Rotator for the Compact Linear Collider** – A. Latina, N. Solyak (Fermilab) D. Schulte (CERN)
- THPE041 **Beam Dynamics Studies from Damping Rings to Main Linac End for ILC-SB2009** – A. Latina, N. Solyak (Fermilab)
- THPE042 **Single-stage Bunch Compressor for ILC-SB2009** – A. Latina, N. Solyak (Fermilab)

- THPE043 **Demonstration of Transverse-to-longitudinal Emittance Exchange at the Fermilab Photoinjector** – A.S. Johnson, H.T. Edwards, A.H. Lumpkin, P. Piot, J. Ruan, J.K. Santucci, Y.-E. Sun, J.C.T. Thangaraj, R. Thurman-Keup (Fermilab)
- THPE044 **Injection and Extraction Beam Line Design of ALPHA Storage Ring** – Y.C. Jing, Y. Kim, S.-Y. Lee (IUCF)
- THPE045 **Rigorous Global Optimization For Parameter Optimization** – K. Makino, M. Berz (MSU)
- THPE046 **CesrTA Low Emittance Tuning** – J.P. Shanks, D. L. Rubin, D. Sagan (CLASSE)
- THPE047 **Lattice Calibration with Turn-by-turn BPM Data** – X. Huang, J.J. Sebek (SLAC)
- THPE048 **Lattice Modeling for SPEAR3** – X. Huang, J.A. Safranek (SLAC)
- THPE049 **Strage Rring Machine Diagnostics and Optimization with a New Nonlinear Program** – M.J. Lee, W.J. Corbett, X. Huang, P. Lui, J. Wu (SLAC)
- THPE050 **Real Beam Line Optics from a Synthetic Beam** – R.M. Bodenstern, Y. Roblin, M.G. Tiefenback (JLAB)
- THPE051 **Magnet Optical and Beam Matching Issues in a Medium Energy Beam Transport line of SNS Linac** – J. G. Wang, Y. Zhang (ORNL)
- THPE052 **Advanced Numerical Modeling of Collective Final Focus for Intense Ion Beams** – M. Dorf, R.C. Davidson, I. Kaganovich, E. Startsev (PPPL)
- THPE053 **Chromatic Beta-beating Measurements at RHIC** – R. Calaga (BNL) M. Aiba (PSI-LRF) R. Tomas, G. Vanbavinckhove (CERN)
- THPE054 **Spin Tune Dependence on Closed Orbit in RHIC** – V. Ptitsyn, M. Bai, T. Roser (BNL)
- THPE055 **The Correction of Linear Gradient Errors using Multi-objective Genetic Algorithm** – G. Wang, M. Bai, L. Yang (BNL)
- THPE056 **A New Method of Fine Betatron Tune Measurement Based on Decoherence Signal Analysis** – A. Sargsyan, G.A. Amatuni, K. Manukyan, V.M. Tsakanov (CANDLE)
- THPE057 **Relaxation and Emittance Growth of a Thermal Charged-Particle Beam** – Y. Levin, R. Pakter, T.N. Teles (IF-UFRGS)
- THPE058 **Relativistic Maps, Acceleration and Chaos in Magnetized Systems** – F.B. Rizzato, R. Pakter (IF-UFRGS) M.C. Sousa, F.M. Steffens (Univ. Mackenzie)
- THPE059 **Dynamical Properties Study of Relativistic Intense Charged Particle Beams in Accelerators and/or Overdense Plasmas** – A.C. Piquemal (CEA)
- THPE060 **A Compact Ring for the ThomX-ray Source** – A. Loulergue (SOLEIL) C. Bruni, A. Variola (LAL)
- THPE061 **Non Linear Beam Dynamics Studies at SOLEIL using Experimental Frequency Map Analysis** – P. Brunelle, A. Loulergue, A. Nadji, L.S. Nadolski, M.-A. Tordeux (SOLEIL)

- THPE062 **Tilted Sextupoles for Correction of Chromatic Aberrations in Beam Lines with Horizontal and Vertical Dispersions** – *N. Golubeva, V. Balandin, W. Decking (DESY)*
- THPE063 **Transverse Non-Linear Beam Dynamics in the High-Energy Storage Ring HESR** – *D.M. Welsch, A. Lehrach, B. Lorentz, R. Maier, D. Prasuhn, R. Tölle (FZJ)*
- THPE064 **Electron Beam Dynamics in CERN-PSI-ELETTRA 5pi/6 Traveling Wave X-band Linear Accelerator.** – *M.M. El-Ashmawy (ELETTRA)*
- THPE065 **Multipoles Minimization in the DAΦNE Wigglers** – *S. Bettoni (CERN) B. Bolli, S. Ceravolo, S. Guiducci, F. Iungo, M.A. Preger, P. Raimondi, C. Sanelli, F.M. Sardone (INFN/LNF)*
- THPE066 **Simulation Study on Coherent Resonant Instability of Non-neutral Plasmas Confined in a Linear Paul Trap** – *H. Sugimoto, K. Ito, H. Okamoto (HU/AdSM) S.M. Lund (LLNL)*
- THPE067 **Dynamic Aperture Study at the SPring-8 Storage Ring** – *M. Takao, J. Schimizu, Y. Shimosaki, K. Soutome (JASRI SPring-8)*
- THPE068 **Effects of the Field Leakage of the Slow Extraction Septum Magnets of the J-PARC Main Ring** – *A.Y. Molodozhentsev, T. Koseki, M. Tomizawa (KEK) A. Ando (J-PARC, KEK & JAEA)*
- THPE069 **Simulation of Space Charge Effects in JPARC** – *K. Ohmi (KEK)*
- THPE070 **Synchro-beta Resonance Simulation using Measured Chromatic Aberrations** – *Y. Seimiya, K. Ohmi (KEK)*
- THPE071 **Space Charge Effect for Rotation of Longitudinal Phase Space in Alpha Magnet** – *H. Hama (Tohoku University, School of Science) N.Y. Huang (NTHU)*
- THPE072 **The Simulation Study of the Fringe Field Effect on a Compact Storage Ring** – *D.D. Yang, W.-H. Huang (TUB)*
- THPE073 **Experimental Study of Spurious mode in the PLS and PLS-II Storage Ring Vacuum Chamber** – *Y.D. Joo, T. Ha, C. Kim, C.D. Park, S.J. Park (PAL)*
- THPE074 **Beam Envelope Control in Heavy Ion Superconducting Drift Tube Linac** – *V.S. Dyubkov, S.M. Polozov, A.V. Samoshin (MEPhI)*
- THPE075 **Application of Frequency Map Analysis to Beam-Beam Effects Study in Crab Waist Collision Scheme** – *E.A. Simonov, E.B. Levichev, D.N. Shatilov (BINP SB RAS)*
- THPE076 **Effect of the Phase One Insertion Devices in the ALBA Storage Ring** – *Z. Martí, G. Benedetti, D. Einfeld, M. Munoz (CELLS-ALBA Synchrotron)*
- THPE077 **Predicted Effect of the Measured High Order Magnetic Multipole in the ALBA Storage Ring** – *M. Munoz, G. Benedetti, D. Einfeld, Z. Martí (CELLS-ALBA Synchrotron)*

- THPE078 **Beam Dynamics Investigation of the 10¹.28 MHz IH Structure as Injector for the HIE-ISOLDE SC Linac** – *M.A. Fraser, M. Pasini, D. Voulot (CERN) M.A. Fraser, R.M. Jones (UMAN)*
- THPE079 **Proposal of a Relationship between Dynamic Aperture and Intensity Evolution in a Storage Ring** – *M. Giovannozzi (CERN)*
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