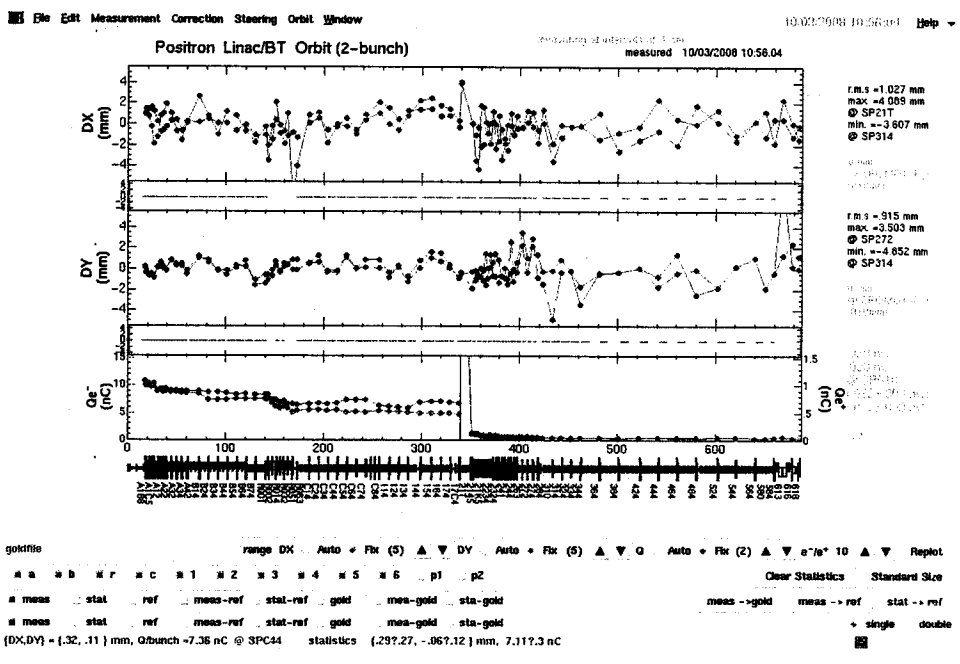


$BY-R0-01 \quad -0.250 \rightarrow -0.350 \text{ A}$
 $BX-R0-01 \quad -1.950 \rightarrow -1.550 \text{ A}$
 $BX-R0-63 \quad 0.298 \rightarrow 0.699 \text{ A}$

$BX-C5-1 \quad 2.204 \rightarrow 1.004 \text{ A}$

この場所だけ パルスアライメントが土地かき!!



⇒ 標的の前子 7 nC (1st bunch)

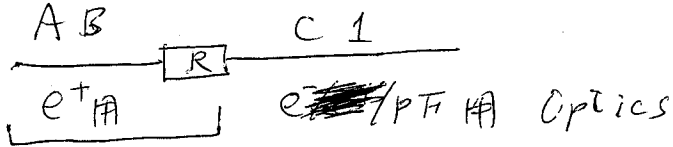
これを実現するには

- ① ① ② $D-A3-4$ E 透過 optics が可及可
- ② i のパルスアライメントが土地かき $BX-C5-1$ E 同調整

必要があった。

⇒ PF/KEK e^- 2nd ① E 透過調整でどうなるか?

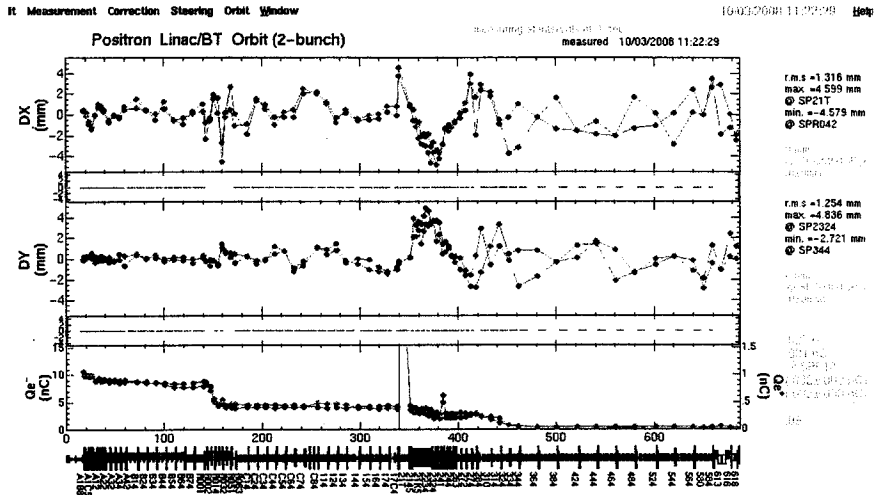
7/2 の e^-/e^+ 同時入射 Study Optics と load



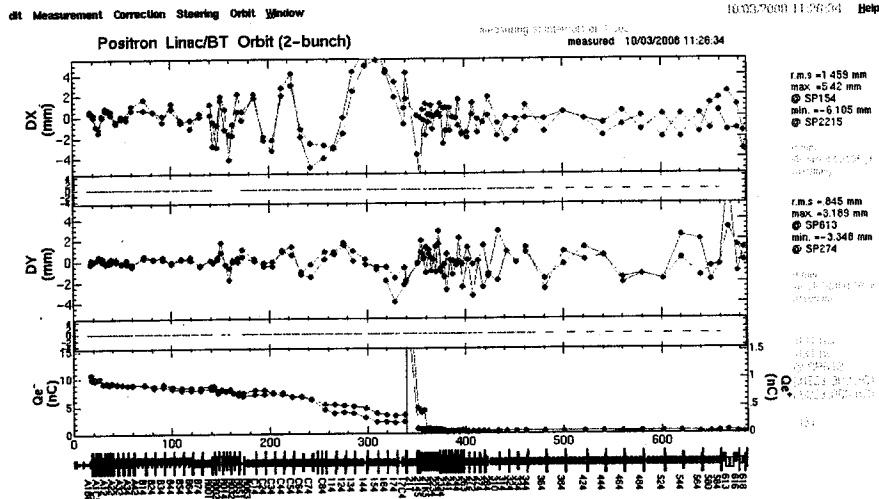
last beam (e^-/PF 同時入射) を load して
 AB 部分の DC Mag のみ e^+ 用を load する
 (R) (今の運転用)

⊙ (Area Q は全て共通)

Beamは
 e^+ 用



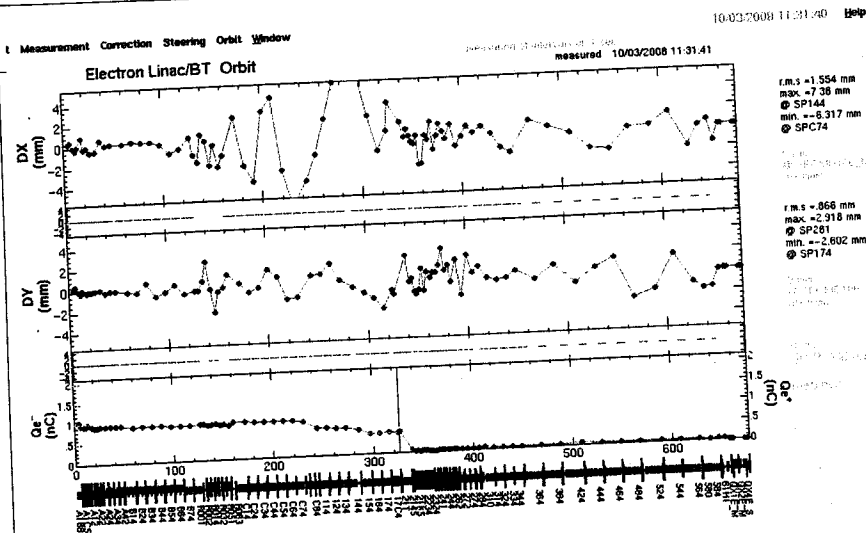
DC mag
 AB部分のみ
 e^+ 用を load



DC mag
 R部分に
 e^+ 用を load

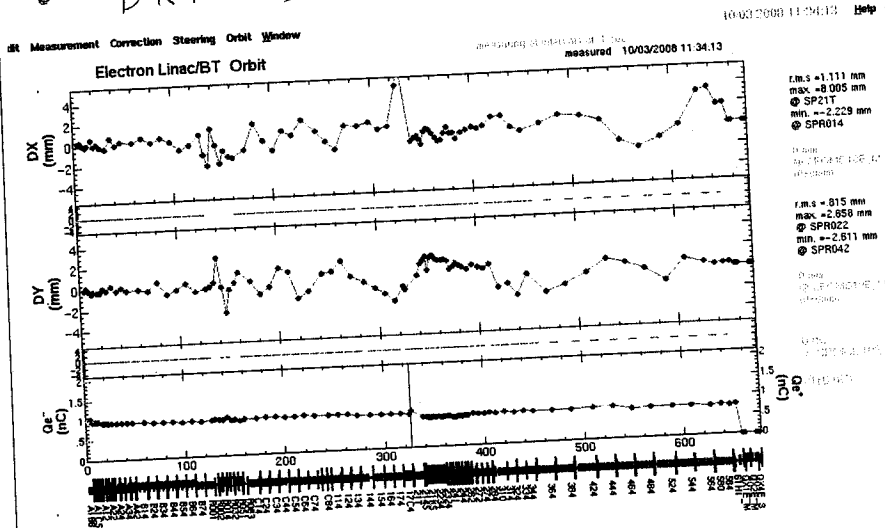
Beam

HER



BXR063 0.968 A → 0.388 A

HER

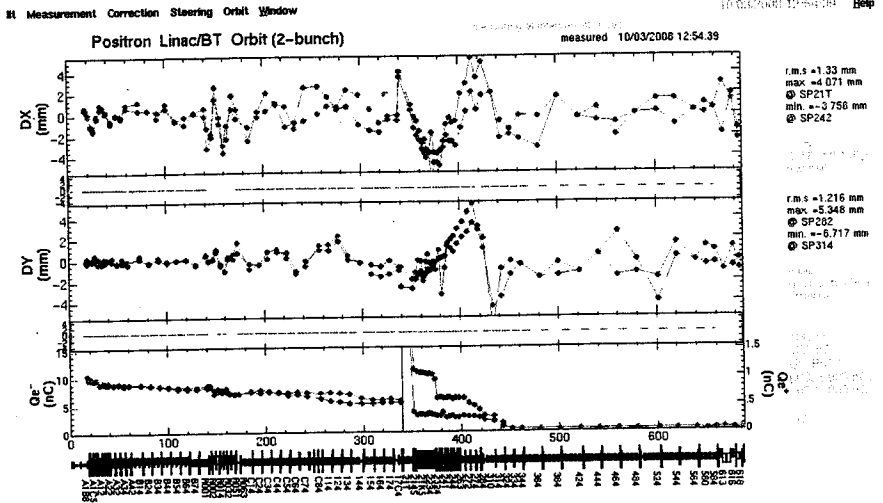


• ワイヤ- τ , C- τ Matching 終了
SABOT の cesad 5 τ の立ち上げ完了。
(cesad 3, 4 は \times)

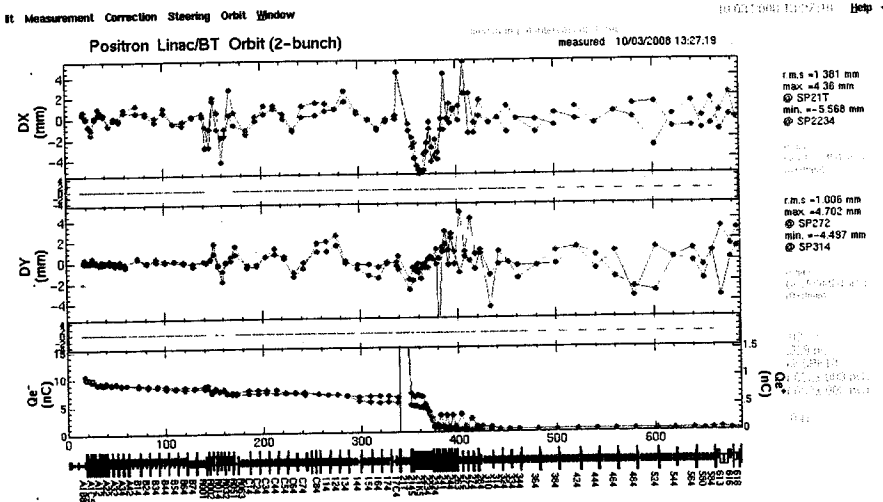
Matching 後. (P.95 に. は. 2 あり)
LEP Beam を出し. C- τ ワイヤ- τ の
軌道に 最少の Steering τ を 補正 終了。
(C- τ pulse steering 追加)
(P.95 に. 修正)

Beam

LEP

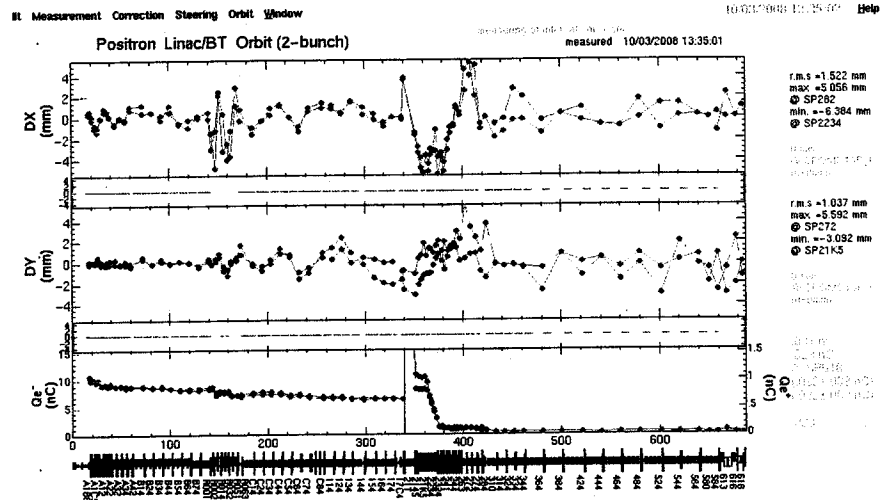


LEP



BX-R ϕ -63
0.507 \rightarrow 0.529 A
BY-R ϕ -63
-0.294 \rightarrow -0.34 A

LEP



SX-C1-1
0 \rightarrow 0.500 A
SY-C1-1
0 \rightarrow 0.500 A

"data 4763. all" 11
個別 save

次回は、この磁場で、HEP、PFのC~1079-の軌道出し。
(P.99 12 進出)

File Edit Control Window

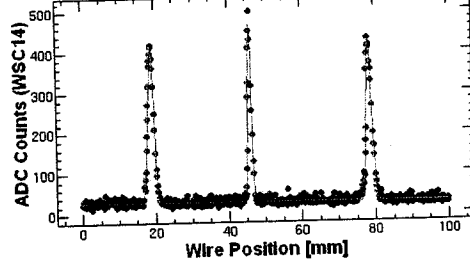
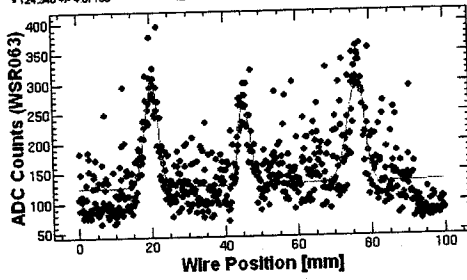
Wire C

ChiSquare = 1211221 Goodness = 49239

ChiSquare = 44596.9 Goodness = 49239

signal = 1.81340 +/- 15164
 asymm1 = 12117 +/- 18993
 signal = 1.56481 +/- 17317
 asymm2 = 20894 +/- 22239
 signal = 2.28936 +/- 17300
 asymm3 = 23264 +/- 14771
 xwire1 = 20.2815 +/- 37043
 xwire2 = 44.5843 +/- 42731
 xwire3 = 78.5510 +/- 41398
 b1 = 175.397 +/- 12.3441
 b2 = 159.392 +/- 13.1863
 b3 = 172.970 +/- 11.0134
 a1 = 124.540 +/- 4.07188
 a2 = 09589 +/- 09815
 a3 = 08589 +/- 09815

signal = 79674 +/- 00847
 asymm1 = 08694 +/- 02191
 signal = 48723 +/- 00579
 asymm2 = 02295 +/- 02479
 signal = 76585 +/- 00811
 asymm3 = 21853 +/- 02139
 xwire1 = 19.9035 +/- 02137
 xwire2 = 45.8383 +/- 01479
 xwire3 = 78.2378 +/- 02005
 b1 = 389.933 +/- 3.54165
 b2 = 440.139 +/- 4.51030
 b3 = 397.488 +/- 3.60995
 a1 = 28.0000 +/- 72068
 a2 = -00332 +/- 01241



File: WSZ008_10_3_12_9_31.datA File Pref ReFit 499.755859375 V 1787 File: WSZ008_10_3_12_11_3.datC File Pref ReFit 399.8046875 V 8030

Wire B

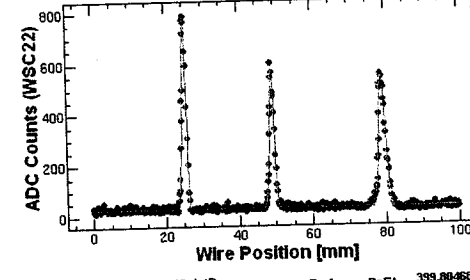
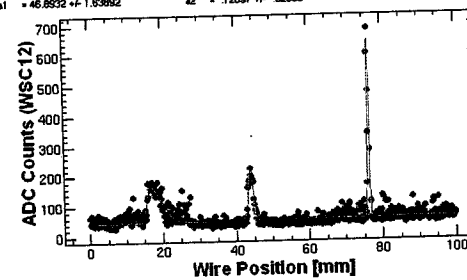
Wire D

ChiSquare = 200015 Goodness = 49239

ChiSquare = 86655.3 Goodness = 49239

signal = 1.89415 +/- 09162
 asymm1 = 86344 +/- 07338
 signal = 63673 +/- 03799
 asymm2 = 10208 +/- 12365
 signal = 23335 +/- 00804
 asymm3 = 05333 +/- 05293
 xwire1 = 18.3108 +/- 18520
 xwire2 = 43.9283 +/- 09542
 xwire3 = 78.2742 +/- 01320
 b1 = 119.904 +/- 4.83940
 b2 = 182.868 +/- 6.38440
 b3 = 621.228 +/- 13.7837
 a1 = 46.8932 +/- 1.63892
 a2 = 12897 +/- 02688

signal = 58176 +/- 00449
 asymm1 = 10831 +/- 01586
 signal = 64250 +/- 00672
 asymm2 = 02903 +/- 02179
 signal = 52217 +/- 00842
 asymm3 = 21564 +/- 01040
 xwire1 = 25.1719 +/- 01133
 xwire2 = 49.0329 +/- 01117
 xwire3 = 79.8249 +/- 02068
 b1 = 761.390 +/- 5.88359
 b2 = 539.595 +/- 4.80226
 b3 = 513.562 +/- 4.03632
 a1 = 28.0000 +/- 86302
 a2 = -00223 +/- 01504



File: WSZ008_10_3_12_10_17.datB File Pref ReFit 443.7002734375 V 8426 File: WSZ008_10_3_12_11_46.datD File Pref ReFit 399.8046875 V 8079

File Edit Control Window

Wire C

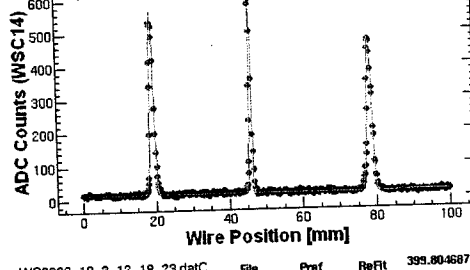
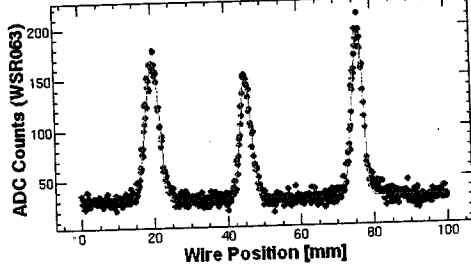
Wire A

ChiSquare = 19815.9 Goodness = 49239

ChiSquare = 35274.6 Goodness = 49239

signal = 1.67261 +/- 02515
 asymm1 = 11712 +/- 02677
 signal = 1.50118 +/- 02547
 asymm2 = 07017 +/- 03490
 signal = 1.48848 +/- 01846
 asymm3 = 23379 +/- 02467
 xwire1 = 20.0247 +/- 08129
 xwire2 = 45.1473 +/- 08418
 xwire3 = 78.3803 +/- 04496
 b1 = 137.863 +/- 15486
 b2 = 118.570 +/- 172106
 b3 = 184.332 +/- 173479
 a1 = 30.8628 +/- 52285
 a2 = 01585 +/- 00871

signal = 54894 +/- 00438
 asymm1 = 20099 +/- 01829
 signal = 33267 +/- 00225
 asymm2 = 09426 +/- 02023
 signal = 66310 +/- 00579
 asymm3 = 17148 +/- 01779
 xwire1 = 19.9084 +/- 01085
 xwire2 = 45.8783 +/- 00623
 xwire3 = 78.2079 +/- 01444
 b1 = 553.137 +/- 3.79552
 b2 = 578.368 +/- 4.88446
 b3 = 461.479 +/- 3.45396
 a1 = 14.0000 +/- 63246
 a2 = 00874 +/- 01098



File: WSZ008_10_3_12_16_50.datA File Pref ReFit 499.755859375 V 1788 File: WSZ008_10_3_12_18_23.datC File Pref ReFit 399.8046875 V 8031

Wire B

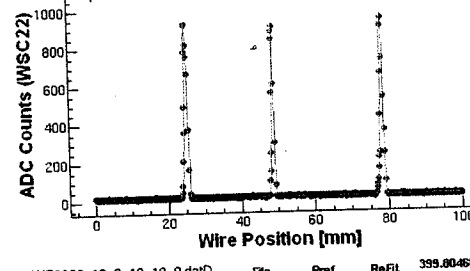
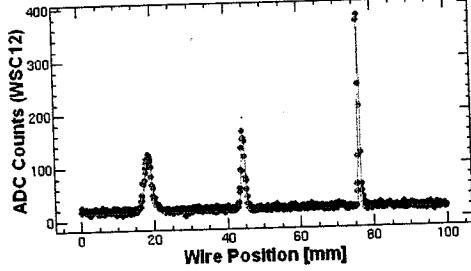
Wire D

ChiSquare = 18377.6 Goodness = 49239

ChiSquare = 88820.1 Goodness = 49237

signal = 97675 +/- 02289
 asymm1 = 11511 +/- 04786
 signal = 53554 +/- 01239
 asymm2 = 00116 +/- 04631
 signal = 24411 +/- 00317
 asymm3 = 01288 +/- 02889
 xwire1 = 18.5403 +/- 05725
 xwire2 = 44.3530 +/- 03186
 xwire3 = 78.2271 +/- 00796
 b1 = 102.801 +/- 2.05882
 b2 = 138.450 +/- 2.78281
 b3 = 384.974 +/- 4.05000
 a1 = 16.0000 +/- 48831
 a2 = 00716 +/- 00791

signal = 44586 +/- 00288
 asymm1 = 00802 +/- 01723
 signal = 30913 +/- 00305
 asymm2 = 14397 +/- 03003
 signal = 41610 +/- 00345
 asymm3 = 01256 +/- 01725
 xwire1 = 24.9837 +/- 00841
 xwire2 = 46.7024 +/- 00764
 xwire3 = 78.2763 +/- 00879
 b1 = 539.890 +/- 6.87894
 b2 = 939.988 +/- 8.01473
 b3 = 989.023 +/- 6.51264
 a1 = 14.0000 +/- 59112
 a2 = 01586 +/- 01713



File: WSZ008_10_3_12_17_32.datB File Pref ReFit 443.7002734375 V 8427 File: WSZ008_10_3_12_19_9.datD File Pref ReFit 399.8046875 V 8086

050
262
E-8
621
724
E-8
050

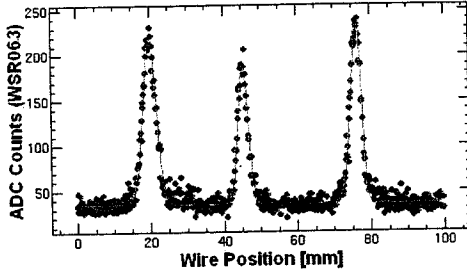
16.592
-2.489
6940E-8
67.881
1.438
1.4364E-8
97.627

15.000
3.000
0

HER C₉₉- Matding 後

File Edit Control Window
Wire A

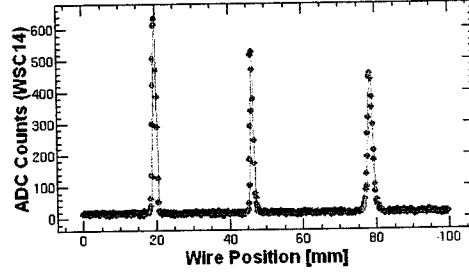
ChiSquare = 34805.1 Goodness = 49239
 sigma1 = 1.77374 +/- 0.2446
 asym1 = -0.2109 +/- 0.2777
 xwire1 = 19.8489 +/- 0.6031
 b1 = 181.577 +/- 2.10927
 a1 = 36.4481 +/- 5.6393
 sigma2 = 1.37535 +/- 0.2488
 asym2 = 0.2215 +/- 0.3736
 xwire2 = 45.2238 +/- 0.6293
 b2 = 153.230 +/- 2.37480
 a2 = -0.0788 +/- 0.1146
 sigma3 = 1.47441 +/- 0.2028
 asym3 = -1.7226 +/- 0.2769
 xwire3 = 78.4021 +/- 0.4999
 b3 = 196.788 +/- 2.30296



File: WS2008_10_3_12_22_46.datA File Pref ReFit 499.755859375 V 1789

Wire C

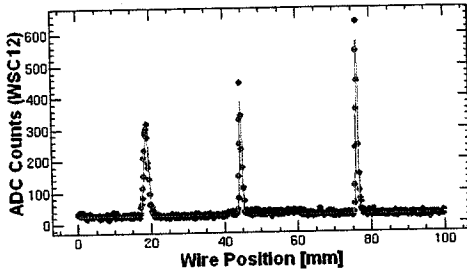
ChiSquare = 41641.4 Goodness = 49239
 sigma1 = 47463 +/- 0.0389
 asym1 = -0.05635 +/- 0.1776
 xwire1 = 19.8984 +/- 0.0062
 b1 = 600.617 +/- 4.53581
 a1 = 12.0000 +/- 6.8034
 sigma2 = 41186 +/- 0.0475
 asym2 = -0.1525 +/- 0.2644
 xwire2 = 46.2943 +/- 0.1219
 b2 = 496.500 +/- 4.95852
 a2 = 9.53E-4 +/- 0.1182
 sigma3 = 68490 +/- 0.0661
 asym3 = 0.0580 +/- 0.1934
 xwire3 = 79.4416 +/- 0.1675
 b3 = 446.333 +/- 3.68444



File: WS2008_10_3_12_25_25.datC File Pref ReFit 399.8046875 V 8032

Wire B

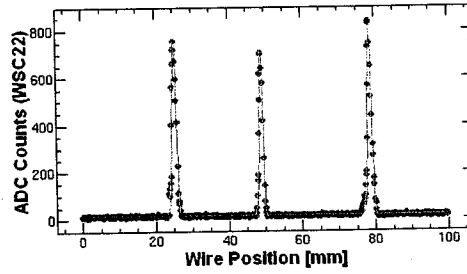
ChiSquare = 36686.0 Goodness = 49239
 sigma1 = 50261 +/- 0.0021
 asym1 = 0.0339 +/- 0.0310
 xwire1 = 16.6899 +/- 0.2239
 b1 = 281.058 +/- 3.68848
 a1 = 26.0055 +/- 5.4411
 sigma2 = 34875 +/- 0.0541
 asym2 = -1.4707 +/- 0.3188
 xwire2 = 44.4442 +/- 0.1360
 b2 = 361.227 +/- 4.63817
 a2 = 0.0689 +/- 0.1103
 sigma3 = 29058 +/- 0.0314
 asym3 = -0.0790 +/- 0.2265
 xwire3 = 76.2626 +/- 0.0607
 b3 = 567.683 +/- 5.29607



File: WS2008_10_3_12_24_44.datB File Pref ReFit 479.765625 V 8429

Wire D

ChiSquare = 75480.7 Goodness = 49238
 sigma1 = 58657 +/- 0.0488
 asym1 = 0.0091 +/- 0.1723
 xwire1 = 25.1715 +/- 0.1239
 b1 = 752.854 +/- 5.36621
 a1 = 15.6074 +/- 9.1825
 sigma2 = 48342 +/- 0.0468
 asym2 = -0.0432 +/- 0.2039
 xwire2 = 48.9312 +/- 0.1201
 b2 = 704.397 +/- 5.90070
 a2 = 0.2210 +/- 0.1589
 sigma3 = 55639 +/- 0.0451
 asym3 = 1.9362 +/- 0.1633
 xwire3 = 78.4842 +/- 0.1126
 b3 = 790.816 +/- 5.51053

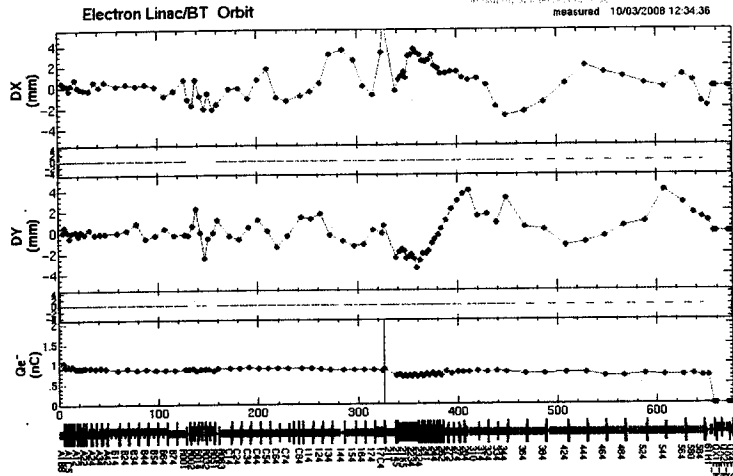


File: WS2008_10_3_12_26_8.datD File Pref ReFit 399.8046875 V 8061

All informations are SAVED to Adata1/KEKB/Wire/LINAC/sector/CeElectron/data/MatchResult/WSLC_2008_10_3_12_26_8

Measurement Correction Steering Orbit Window

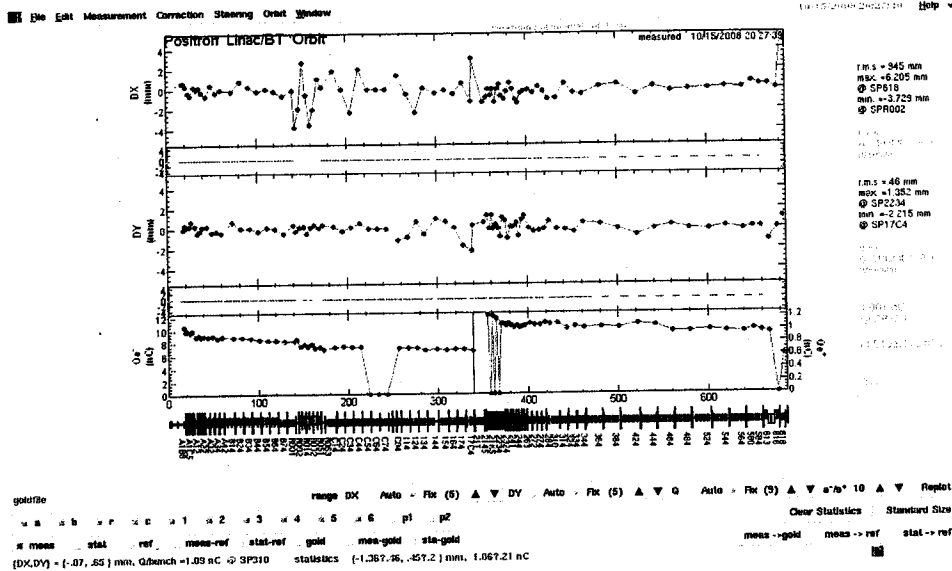
10/03/2008 12:34:36 Help



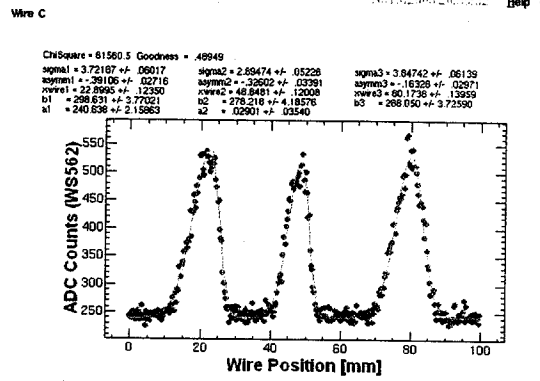
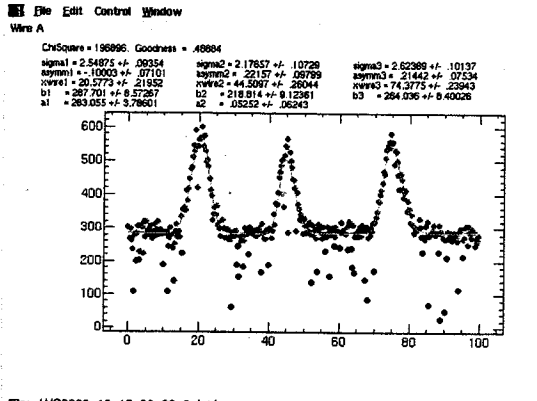
(P. 941 = 6E³.)

20:28

KEKB e⁺ (SS) C^{-a} 2 出寸.
Wire scanner. (5E72-) 測定.

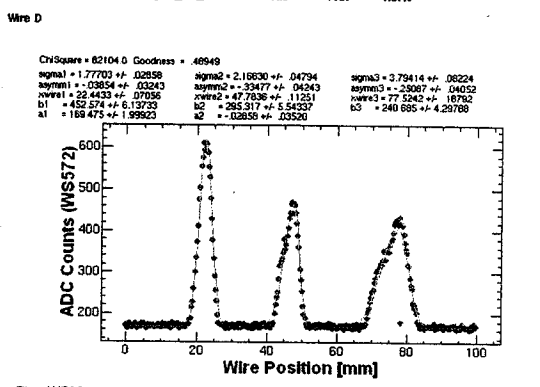
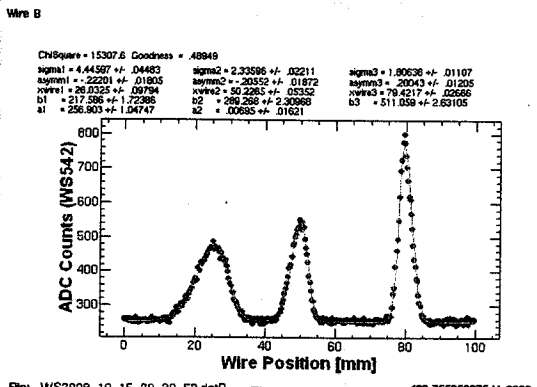


5E72-a wire scanner 2 測定 (2回).
後因 10% 以上 Sabot 10% 以上 達する 原因不明.
工場側 - 加工 不良. (5E72-2 まで!!)
しかし 最終工場側 - 加工 不良 - 原因不明. 不思議...



File: WS2008_10_15_20_29_8.datA File Pref ReFit 349.8291015825 V Z214

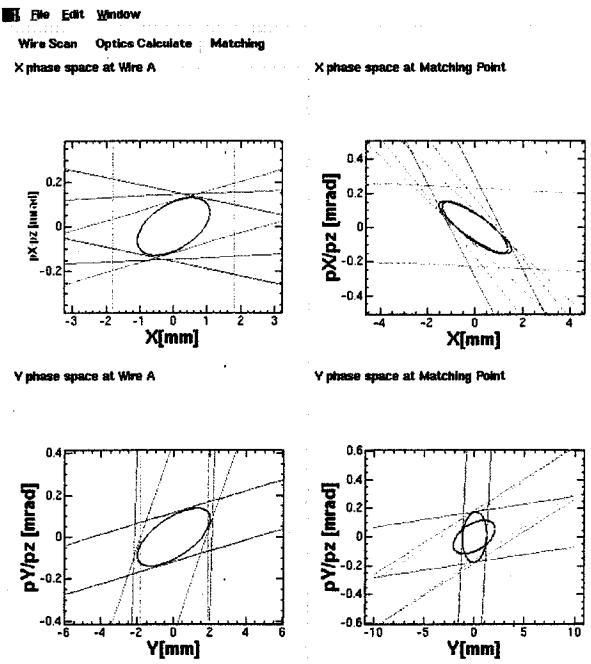
File: WS2008_10_15_20_31_53.datC File Pref ReFit 639.6875 V 1351



File: WS2008_10_15_20_30_53.datB File Pref ReFit 499.755659375 V 2039

File: WS2008_10_15_20_32_51.datD File Pref ReFit 559.7255625 V 1658

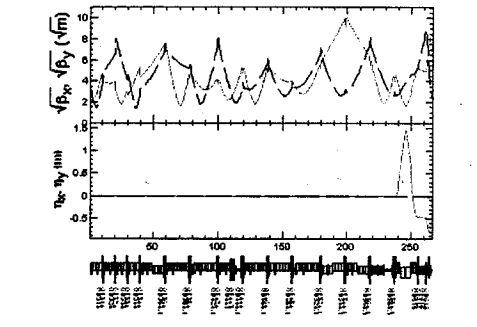
Select Matching zone on 172.19.65.32:0.0



Results of Measurement

β_x @ BM611P [m] :	19.492	β_y @ BM611P [m] :	6.847
α_x @ BM611P :	1.665	α_y @ BM611P :	-0.91
ϵ_x [m] :	1.2009E-7	ϵ_y [m] :	2.1221E-7
$\gamma\epsilon_x$ [r.mm.mrad] :	844.643	$\gamma\epsilon_y$ [r.mm.mrad] :	1492.560
Bmag x :	1.022	Bmag y :	1.678
ϵ Bmag x :	1.2279E-7	ϵ Bmag y :	3.5606E-7
$\gamma\epsilon$ Bmag x :	863.637	$\gamma\epsilon$ Bmag y :	2504.306

Optics Plot



Wire Selection

3-wire:ABC 3-wire:ABD 3-wire:ACD 3-wire:BCD

4-wire:ABCD

NonLinearFit Err(meas), nG n: 0 Err(opt) (%): 0

Calculate Optics Save All Parameters

All informations are SAVEd to ddata1/KEKB/Wire/LINAC/sectors/5/KEKBp/ata/MatchResult/WSL5p_2008_10_15_20_34_13

File Edit Terminal Window

```

In[1]:= disp a ***
      BK  NX  EX  EPK  Element  p(GeV)emix(m)emity(m) DDP  AY  BY  NY  EY  EPY  DetR  #
4.23712 45.2058 3.77161 -.65071 .06069 *** 3.59407 1.2E-7 2.1E-7 -4E-16 1.75001 5.70066 3.51453 .00000 .00000 -.0000 1038

In[2]:= disp bm611p
      BK  NX  EX  EPK  Element  Length  Value  s(m)  AY  BY  NY  EY  EPY  DetR  #
1.66480 19.4324 3.29515 .00000 .00000 BM611P 1.54298 .1886164 238.178857 -.09102 6.84702 3.24609 .00000 .00000 .0000 934
4.23712 45.2058 3.77161 -.65071 .06069 *** .00000 0 266.470311 1.75001 5.70066 3.51453 .00000 .00000 .0000 1038

In[3]:= disp qfdf35*
      BK  NX  EX  EPK  Element  Length  Value  s(m)  AY  BY  NY  EY  EPY  DetR  #
-1.8157 31.4021 2.79128 .00000 .00000 QD524.1 .20400 .3435510 178.953023 -1.6505 41.8115 2.58449 .00000 .00000 .0000 704
8.47746 28.4874 2.79280 .00000 .00000 QF524.1 .20400 -.3983514 179.243023 -17.496 48.4825 2.58554 .00000 .00000 .0000 708
-1.5239 27.3616 2.79448 .00000 .00000 QF524.2 .20400 -.3983514 179.533023 .30756 52.0236 2.58644 .00000 .00000 .0000 712
-12.487 32.1806 2.79607 .00000 .00000 QD524.2 .20400 .3435510 179.823023 17.4265 45.1464 2.58737 .00000 .00000 .0000 777
-2.4116 100.223 2.84649 .00000 .00000 QD544.1 .20400 -.3152388 198.443023 -3.2433 9.23142 2.83215 .00000 .00000 .0000 781
27.6445 89.9915 2.84697 .00000 .00000 QF544.1 .20400 -.3152388 198.733023 -.30127 10.0194 2.84287 .00000 .00000 .0000 785
-1.13810 40.8787 2.89337 .00000 .00000 QF544.2 .20400 -.4038126 217.643023 -26.652 64.5636 3.011079 .00000 .00000 .0000 856
-28.702 95.0031 2.84803 .00000 .00000 QD564.1 .20400 .3987758 217.353023 -2.3989 54.4862 3.01000 .00000 .0000 .0000 858
1.13810 40.8787 2.89337 .00000 .00000 QF564.1 .20400 -.4038126 217.643023 -26.652 64.5636 3.01146 .00000 .0000 .0000 860
15.7962 34.4415 2.89518 .00000 .00000 QF564.2 .20400 -.4038126 217.933023 25.9363 59.8742 3.01216 .00000 .0000 .0000 864
2.16503 30.5058 2.89663 .00000 .00000 QD584.1 .20400 .5480083 236.894799 -.04518 6.73612 3.21264 .00000 .00000 .0000 920
-10.813 33.9981 2.89810 .00000 .00000 QF584.1 .20400 .5480083 236.894799 -4.2605 8.25959 3.21902 .00000 .00000 .0000 922
8.28479 17.7191 3.28412 .00000 .00000 QF584.2 .20400 -.4978783 310.281562 -4.2605 9.17025 3.22418 .00000 .00000 .0000 924
-2.2824 20.5277 3.28177 .00000 .00000 QD584.2 .20400 -.4978783 310.571562 -.03558 7.57994 3.22957 .00000 .00000 .0000 928
8.28479 17.7191 3.28412 .00000 .00000 QF584.2 .20400 -.4978783 310.571562 -.03558 7.57994 3.22957 .00000 .00000 .0000 928
-2.2824 20.5277 3.28177 .00000 .00000 QD584.2 .20400 .5480083 237.174799 -4.01877 7.57994 3.22957 .00000 .00000 .0000 928
-9.3409 19.5751 3.28958 .00000 .00000 QD584.2 .20400 .5480083 237.464799 4.01877 7.57994 3.22957 .00000 .00000 .0000 928

In[51]:= |
  
```

Wike scanner. 10/15/08

K値が
違
う

Select Matching zone on 172.19.66.32:0.0

File Edit Terminal Window

Optics 10/15/08 (Sabot)

```

34 2 1.5749E-02 (NEWTON) 0.2821
35 1 3.0028E-03 (NEWTON) -0.1907
36 1 4.8208E-06 (NEWTON) -1.6054E-03
Matched. ( 9.3637E-11) DP = 0.01000 DPO = 0.00000 ExponentOfResidual = 2.0 OffMomentumWeight = 1.000
BM611P F BK 1.665 1 1.665023 BM611P F BK 19.432 1 19.432146 BM611P f AY -.091 1 -.091000
BM611P F BK 6.847 1 6.847000 *** AY ***** # 4.237617 *** BK ***** # 45.208587
*** NX ***** # 8.321064 *** AY ***** # 1.750010 *** BY ***** # 5.700725
*** NY ***** # 8.954772 *** LENG ***** # 339.86707

In[16]:= disp bm611p
      BK  NX  EX  EPK  Element  Length  Value  s(m)  AY  BY  NY  EY  EPY  DetR  #
1.66502 19.4321 7.84460 .00000 .00000 BM611P 1.54298 .1886164 311.575620 -.09100 6.84700 8.68634 .00000 .00000 .0000 1450
4.23762 45.2085 8.32106 -.65071 .06069 *** .00000 0 339.867074 1.75001 5.70072 8.95477 .00000 .00000 .0000 1554

In[17]:= disp a ***
      BK  NX  EX  EPK  Element  p(GeV)emix(m)emity(m) DDP  AY  BY  NY  EY  EPY  DetR  #
4.23762 45.2085 8.32106 -.65071 .06069 *** 3.59407 2.4E-9 2.4E-9 .0000 1.75001 5.70072 8.95477 .00000 .00000 7.E-13 1554

In[18]:= disp qfdf35*
      BK  NX  EX  EPK  Element  Length  Value  s(m)  AY  BY  NY  EY  EPY  DetR  #
-5.3763 9.08536 7.23795 .00000 .00000 QD524.1 .20400 .3637834 252.349786 -6.8024 100.865 7.98901 .00000 .00000 .0000 1220
2.57649 8.19201 7.24320 .00000 .00000 QF524.1 .20400 -.3794554 252.639786 -48.140 119.609 7.98943 .00000 .00000 .0000 1222
-4.9950 7.86092 7.24907 .00000 .00000 QF524.2 .20400 -.3794554 252.929786 -1.5531 130.283 7.98990 .00000 .00000 .0000 1224
-3.9011 9.36474 7.25456 .00000 .00000 QD524.2 .20400 .3637834 253.219786 44.1230 113.342 7.99017 .00000 .00000 .0000 1228
-2.5198 63.8306 7.38297 .00000 .00000 QD544.1 .20400 .3512581 271.549786 1.08728 14.2764 8.06848 .00000 .00000 .0000 1293
18.6501 57.0962 7.38372 .00000 .00000 QF544.1 .20400 -.3485493 271.839786 -4.1439 15.5696 8.07154 .00000 .00000 .0000 1295
-8.0078 53.6758 7.38457 .00000 .00000 QF544.2 .20400 -.3485493 272.129786 1.36223 15.9124 8.07764 .00000 .00000 .0000 1301
-21.159 61.5129 7.39539 .00000 .00000 QD544.2 .20400 .3512581 272.419786 6.17061 13.2014 8.07764 .00000 .00000 .0000 1307
.43857 40.1058 7.44330 .00000 .00000 QD564.1 .20400 .4572258 290.749786 -3.8624 53.0003 8.45026 .00000 .00000 .0000 1372
16.8382 33.3538 7.44453 .00000 .00000 QF564.1 .20400 .4628904 291.039786 -31.773 65.1383 8.45107 .00000 .00000 .0000 1374
1.82542 29.3443 7.44605 .00000 .00000 QF564.2 .20400 -.4628904 291.329786 -6.4083 72.0768 8.45172 .00000 .00000 .0000 1376
-12.722 33.5698 7.44755 .00000 .00000 QD584.1 .20400 .4572258 291.619786 29.5348 60.5416 8.45240 .00000 .00000 .0000 1380
-2.2322 20.5282 7.53122 .00000 .00000 QF584.1 .20400 .5480081 309.991562 -.04516 6.73615 8.65288 .00000 .00000 .0000 1436
8.28521 17.7195 7.83357 .00000 .00000 QF584.2 .20400 -.4978783 310.281562 -4.2605 8.25960 8.65926 .00000 .00000 .0000 1438
-2.2870 16.1819 7.83637 .00000 .00000 QF584.2 .20400 -.4978783 310.571562 -.03558 7.57994 8.66442 .00000 .00000 .0000 1440
-9.3406 19.5752 7.83904 .00000 .00000 QD584.2 .20400 .5480081 310.861562 4.01878 7.57994 8.66981 .00000 .00000 .0000 1444

In[20]:= |
  
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KEKB & e+ multi-energy matching on localhost:12.0

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-92382 8.70154 1.86314 .00000 .00000 QF443 2.42203 1.8E-7 3.1E-7 3.E-16 .37962 4.01116 1.65624 .00000 .00000 3.E-16 465
-2.2390 28.2304 1.92759 .00000 .00000 QD444.1 2.42203 1.8E-7 3.1E-7 3.E-16 -1.3813 10.2028 1.86412 .00000 .00000 3.E-16 486
12.7717 22.6440 1.92959 .00000 .00000 QF444 2.42203 1.8E-7 3.1E-7 3.E-16 -9.0571 14.2239 1.86864 .00000 .00000 3.E-16 488
-12.930 25.3124 1.93353 .00000 .00000 QD444.2 2.42203 1.8E-7 3.1E-7 3.E-16 7.65947 12.8291 1.87419 .00000 .00000 3.E-16 492
-2.6654 27.5406 2.32078 .00000 .00000 QD464.1 2.75530 1.6E-7 2.8E-7 1.E-16 -1.4640 31.4814 2.08514 .00000 .00000 3.E-16 557
9.94026 23.4674 2.32279 .00000 .00000 QF464 2.75530 1.6E-7 2.8E-7 1.E-16 -19.502 39.9680 2.08667 .00000 .00000 3.E-16 559
-12.899 27.1802 2.32645 .00000 .00000 QD464.2 2.75530 1.6E-7 2.8E-7 1.E-16 18.7543 35.3302 2.08770 .00000 .00000 3.E-16 564
-20285 16.3590 2.48058 .00000 .00000 QD484.1 3.08585 1.4E-7 2.5E-7 -4E-16 -83724 11.1086 2.37499 .00000 .00000 3.E-16 629
6.01128 13.5825 2.48401 .00000 .00000 QF484 3.08585 1.4E-7 2.5E-7 -4E-16 -6.3573 13.9619 2.37932 .00000 .00000 3.E-16 631
-5.1862 14.3600 2.49057 .00000 .00000 QD484.2 3.08585 1.4E-7 2.5E-7 -4E-16 5.53084 12.9143 2.38509 .00000 .00000 3.E-16 635

In[7]: disp a ***
  AK  BK  NK  EX  EPK  Element  p(GeV)emix(m)emity(m)  DDP  AY  BY  NY  EY  EPY  DZ  #
4.23712 45.2058 3.77161 -.65071 .06069 *** 3.59407 1.2E-7 2.1E-7 -4E-16 1.75001 5.70066 3.51453 .00000 .00000 -1E-16 1038

In[8]: disp a qcdf*
  AK  BK  NK  EX  EPK  Element  p(GeV)emix(m)emity(m)  DDP  AY  BY  NY  EY  EPY  DZ  #
-1.8157 31.4021 2.79128 .00000 .00000 QD524.1 3.28920 1.3E-7 2.3E-7 -5E-16 -1.6505 41.8115 2.58449 .00000 .00000 3.E-16 704
8.47746 28.4874 2.79280 .00000 .00000 QF524.1 3.28920 1.3E-7 2.3E-7 -5E-16 -17.496 48.4825 2.58554 .00000 .00000 3.E-16 706
-1.9239 27.3616 2.79448 .00000 .00000 QF524.2 3.28920 1.3E-7 2.3E-7 -5E-16 .30756 52.0236 2.58644 .00000 .00000 3.E-16 708
-12.487 32.1806 2.79607 .00000 .00000 QD524.2 3.28920 1.3E-7 2.3E-7 -5E-16 17.4265 45.1464 2.58737 .00000 .00000 3.E-16 712
-2.4116 100.223 2.84649 .00000 .00000 QD544.1 3.44803 1.3E-7 2.2E-7 -3E-16 -40557 7.97557 2.83268 .00000 .00000 3.E-16 777
27.6445 89.9915 2.84697 .00000 .00000 QF544.1 3.44803 1.3E-7 2.2E-7 -3E-16 -3.2433 9.23142 2.83815 .00000 .00000 3.E-16 779
-13486 84.5197 2.84751 .00000 .00000 QF544.2 3.44803 1.3E-7 2.2E-7 -3E-16 -30127 10.0194 2.84287 .00000 .00000 3.E-16 781
-28.702 95.0031 2.84803 .00000 .00000 QD544.2 3.44803 1.3E-7 2.2E-7 -3E-16 2.66330 9.04629 2.84763 .00000 .00000 3.E-16 785
1.13810 40.8787 2.89397 .00000 .00000 QF564.1 3.59407 1.2E-7 2.1E-7 -3E-16 -2.3589 54.4862 3.01000 .00000 .00000 3.E-16 856
15.7562 34.4415 2.89518 .00000 .00000 QD564.1 3.59407 1.2E-7 2.1E-7 -3E-16 -26.652 64.5636 3.01079 .00000 .00000 3.E-16 858
2.16503 30.5058 2.89663 .00000 .00000 QF564.2 3.59407 1.2E-7 2.1E-7 -3E-16 .15536 70.0953 3.01146 .00000 .00000 3.E-16 860
-10.813 33.9981 2.89810 .00000 .00000 QD564.2 3.59407 1.2E-7 2.1E-7 -3E-16 25.9363 59.8742 3.01216 .00000 .00000 3.E-16 864
-2.2324 20.5277 3.28177 .00000 .00000 QD584.1 3.59407 1.2E-7 2.1E-7 -3E-16 -.04818 6.73612 3.21264 .00000 .00000 3.E-16 920
8.28479 17.7191 3.28412 .00000 .00000 QF584.1 3.59407 1.2E-7 2.1E-7 -3E-16 -4.2605 8.25959 3.21902 .00000 .00000 3.E-16 922
-26895 16.1817 3.28582 .00000 .00000 QD584.2 3.59407 1.2E-7 2.1E-7 -3E-16 -0.3556 9.17025 3.22418 .00000 .00000 3.E-16 924
-9.3409 19.5751 3.28958 .00000 .00000 QF584.2 3.59407 1.2E-7 2.1E-7 -3E-16 4.01877 7.57994 3.22957 .00000 .00000 3.E-16 928

In[10]::= sabot@Acdata
Out[10]::= [ ]
In[11]::=

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Wile Scanner 2030

Select Matching zone on 172.19.66.32:0

Is it 203

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  AK  BK  NK  EX  EPK  Element  p(GeV)emix(m)emity(m)  DDP  AY  BY  NY  EY  EPY  DZ  #
-53763 9.08536 7.23795 .00000 .00000 QD524.1 3.10627 2.7E-9 2.7E-9 .0000 -6.8024 100.865 7.98901 .00000 .00000 7.E-13 1220
2.57649 8.19201 7.24320 .00000 .00000 QF524.1 3.10627 2.7E-9 2.7E-9 .0000 -48.140 119.609 7.98943 .00000 .00000 7.E-13 1222
-4.9950 7.86092 7.24907 .00000 .00000 QF524.2 3.10627 2.7E-9 2.7E-9 .0000 -1.5531 130.283 7.98980 .00000 .00000 7.E-13 1224
-3.9011 9.36474 7.25456 .00000 .00000 QD524.2 3.10627 2.7E-9 2.7E-9 .0000 44.1230 113.342 7.99017 .00000 .00000 7.E-13 1228
-2.5198 63.8306 7.38297 .00000 .00000 QD544.1 3.27362 2.6E-9 2.6E-9 .0000 1.08728 14.2764 8.06848 .00000 .00000 7.E-13 1293
18.6501 57.0962 7.38372 .00000 .00000 QF544.1 3.27362 2.6E-9 2.6E-9 .0000 -4.1439 15.5696 8.07164 .00000 .00000 7.E-13 1295
-80078 53.6758 7.38457 .00000 .00000 QF544.2 3.27362 2.6E-9 2.6E-9 .0000 1.36229 15.9121 8.07451 .00000 .00000 7.E-13 1297
-21.159 61.5129 7.38539 .00000 .00000 QD544.2 3.27362 2.6E-9 2.6E-9 .0000 6.17061 13.2014 8.07764 .00000 .00000 7.E-13 1301
-43857 40.1058 7.44330 .00000 .00000 QD564.1 3.43330 2.5E-9 2.5E-9 .0000 -3.8624 53.0003 8.45026 .00000 .00000 7.E-13 1372
16.8382 33.3538 7.44453 .00000 .00000 QF564.1 3.43330 2.5E-9 2.5E-9 .0000 -31.773 65.1383 8.45107 .00000 .00000 7.E-13 1374
1.82542 29.3443 7.44605 .00000 .00000 QF564.2 3.43330 2.5E-9 2.5E-9 .0000 -64083 72.0768 8.45172 .00000 .00000 7.E-13 1376
-12.722 33.5698 7.44755 .00000 .00000 QD564.2 3.43330 2.5E-9 2.5E-9 .0000 29.5348 60.5416 8.45240 .00000 .00000 7.E-13 1380
-2.2322 20.5282 7.83122 .00000 .00000 QD584.1 3.59407 2.4E-9 2.4E-9 .0000 -.04516 6.73615 8.65288 .00000 .00000 7.E-13 1436
8.28521 17.7195 7.83357 .00000 .00000 QF584.1 3.59407 2.4E-9 2.4E-9 .0000 -4.2605 8.25960 8.65926 .00000 .00000 7.E-13 1438
-26870 16.1819 7.83637 .00000 .00000 QD584.2 3.59407 2.4E-9 2.4E-9 .0000 -0.3556 9.17025 8.66442 .00000 .00000 7.E-13 1440
-9.3406 19.5752 7.83904 .00000 .00000 QF584.2 3.59407 2.4E-9 2.4E-9 .0000 4.01878 7.57994 8.66981 .00000 .00000 7.E-13 1444

In[31]::= disp a qcdf*
  AK  BK  NK  EX  EPK  Element  p(GeV)emix(m)emity(m)  DDP  AY  BY  NY  EY  EPY  DZ  #
-53763 9.08536 7.23795 .00000 .00000 QD524.1 3.10627 2.7E-9 2.7E-9 .0000 -6.8024 100.865 7.98901 .00000 .00000 7.E-13 1220
2.57649 8.19201 7.24320 .00000 .00000 QF524.1 3.10627 2.7E-9 2.7E-9 .0000 -48.140 119.609 7.98943 .00000 .00000 7.E-13 1222
-4.9950 7.86092 7.24907 .00000 .00000 QF524.2 3.10627 2.7E-9 2.7E-9 .0000 -1.5531 130.283 7.98980 .00000 .00000 7.E-13 1224
-3.9011 9.36474 7.25456 .00000 .00000 QD524.2 3.10627 2.7E-9 2.7E-9 .0000 44.1230 113.342 7.99017 .00000 .00000 7.E-13 1228
-2.5198 63.8306 7.38297 .00000 .00000 QD544.1 3.27362 2.6E-9 2.6E-9 .0000 1.08728 14.2764 8.06848 .00000 .00000 7.E-13 1293
18.6501 57.0962 7.38372 .00000 .00000 QF544.1 3.27362 2.6E-9 2.6E-9 .0000 -4.1439 15.5696 8.07164 .00000 .00000 7.E-13 1295
-80078 53.6758 7.38457 .00000 .00000 QF544.2 3.27362 2.6E-9 2.6E-9 .0000 1.36229 15.9121 8.07451 .00000 .00000 7.E-13 1297
-21.159 61.5129 7.38539 .00000 .00000 QD544.2 3.27362 2.6E-9 2.6E-9 .0000 6.17061 13.2014 8.07764 .00000 .00000 7.E-13 1301
-43857 40.1058 7.44330 .00000 .00000 QD564.1 3.43330 2.5E-9 2.5E-9 .0000 -3.8624 53.0003 8.45026 .00000 .00000 7.E-13 1372
16.8382 33.3538 7.44453 .00000 .00000 QF564.1 3.43330 2.5E-9 2.5E-9 .0000 -31.773 65.1383 8.45107 .00000 .00000 7.E-13 1374
1.82542 29.3443 7.44605 .00000 .00000 QF564.2 3.43330 2.5E-9 2.5E-9 .0000 -64083 72.0768 8.45172 .00000 .00000 7.E-13 1376
-12.722 33.5698 7.44755 .00000 .00000 QD564.2 3.43330 2.5E-9 2.5E-9 .0000 29.5348 60.5416 8.45240 .00000 .00000 7.E-13 1380
-2.2322 20.5282 7.83122 .00000 .00000 QD584.1 3.59407 2.4E-9 2.4E-9 .0000 -.04516 6.73615 8.65288 .00000 .00000 7.E-13 1436
8.28521 17.7195 7.83357 .00000 .00000 QF584.1 3.59407 2.4E-9 2.4E-9 .0000 -4.2605 8.25960 8.65926 .00000 .00000 7.E-13 1438
-26870 16.1819 7.83637 .00000 .00000 QD584.2 3.59407 2.4E-9 2.4E-9 .0000 -0.3556 9.17025 8.66442 .00000 .00000 7.E-13 1440
-9.3406 19.5752 7.83904 .00000 .00000 QF584.2 3.59407 2.4E-9 2.4E-9 .0000 4.01878 7.57994 8.66981 .00000 .00000 7.E-13 1444

In[639]::=

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KEKB & e+ multi-energy matching on localhost:12.0

(sabot)

Handwritten notes in Japanese: 7.7.7 v 2.5 E-13 1220, also 3.2 E-13 1438 (sabot) !!