

2004.7.1 (木) 2>2端子入2端子出 大西. 8kVA. 100V + 10V

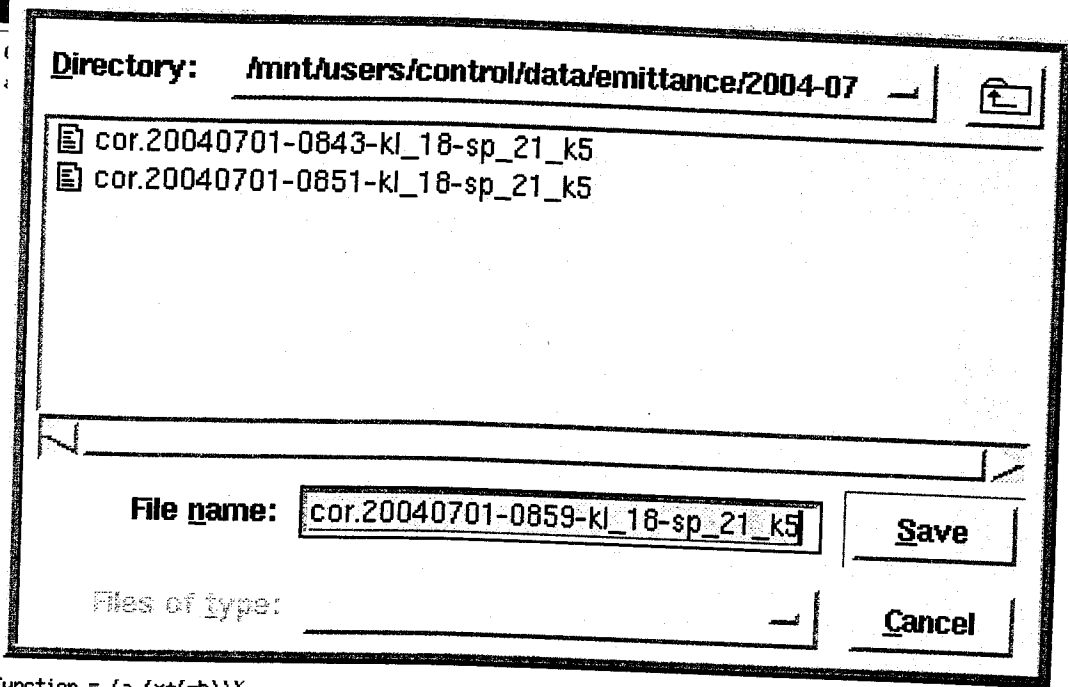
KL-21 160.5°  
にset

3ヶ所の Step 1 = 120 7変

2ヶ所調整 KL-18 100°にset

3ヶ所の電流を SP-21-K5 max になるように  
調整した 5 → 3.0A

← 嘘だ!



Function = (a (x+(-b)))^x

Main Application Area

3ヶ所の BM-21-K1/4 K2/3 両方 5 → 3.0A (KL21 160.5°  
の2ヶ所に直化した)  
R151の電号 (21のphase) にしたがって記述する

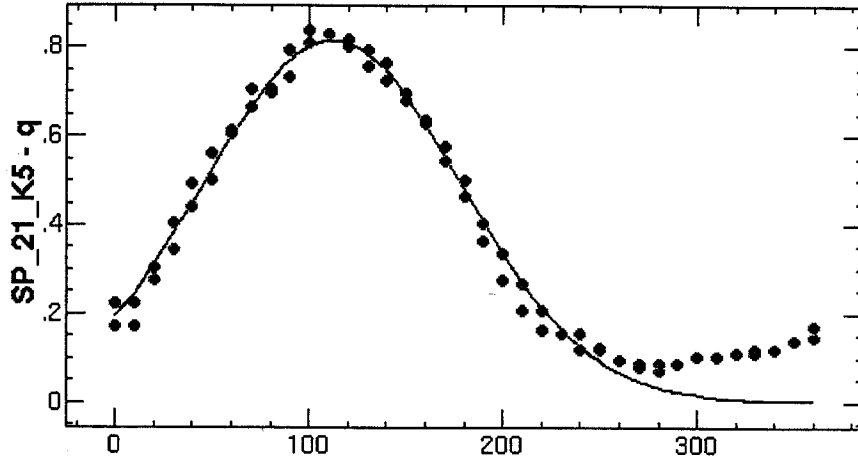
~~Step 2~~

(6) 160.5° (KL21φ)

File Edit Window

07/01/2004 08:55:11 Help

ChiSquare = .25335 Goodness = .47768  
 a = 93.4560 +/- 2.20220 b = .81460 +/- .01540 c = 112.012 +/- 1.45976



Function = (b Exp[-(a^-2) ((x+(-c))^2)])

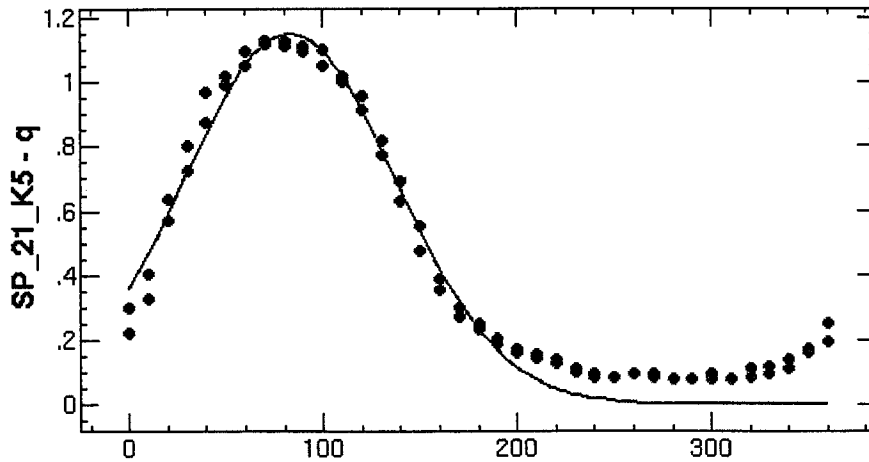
Hard Copy

(7) 136.4° (KL21φ)

File Edit Window

07/01/2004 09:00:54 Help

ChiSquare = .48319 Goodness = .47768  
 a = 77.1871 +/- 2.04957 b = 1.14808 +/- .02356 c = 82.8371 +/- 1.33076



Function = (b Exp[-(a^-2) ((x+(-c))^2)])

166

⑤ 100.4° (KL21φ)

File Edit Window

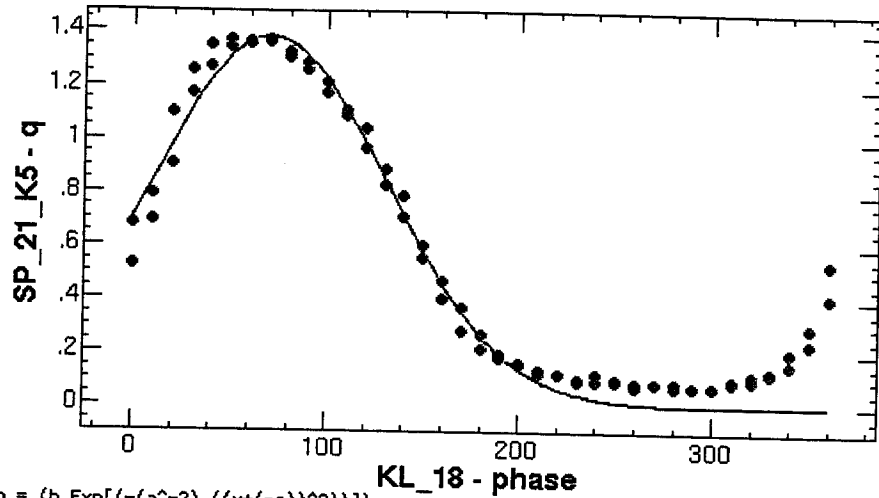
07/01/2004 09:12:50 Help

ChiSquare = 1.02834 Goodness = .47768

a = 85.4646 +/- 3.03744

b = 1.38165 +/- .03317

c = 70.1009 +/- 1.91991



Function = (b Exp[-(a^2) ((x+(-c))^2)])

Main Application Area

① 70.5° (KL21φ)

File Edit Window

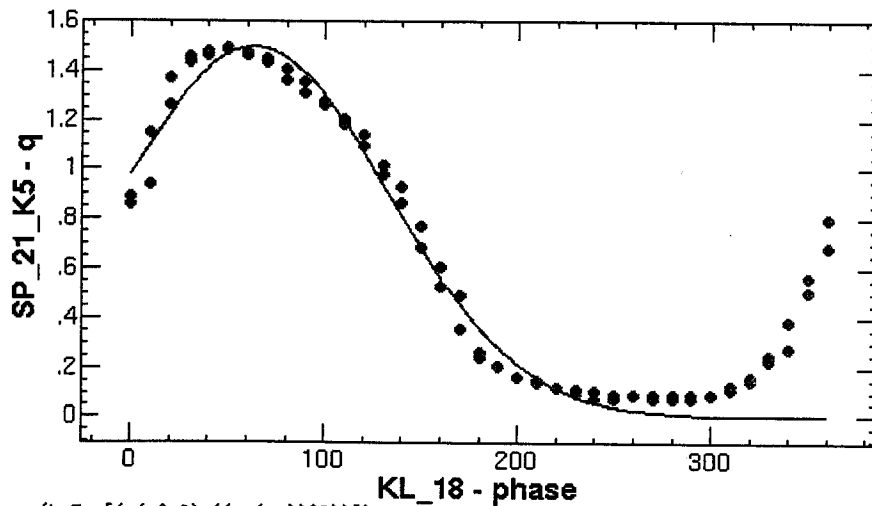
07/01/2004 09:18:06 Help

ChiSquare = 2.39541 Goodness = .47768

a = 97.4687 +/- 5.27993

b = 1.49821 +/- .04765

c = 63.4659 +/- 3.44519



Function = (b Exp[-(a^2) ((x+(-c))^2)])

Hard Copy

③ 40.5° (KL1φ)

File Edit Window

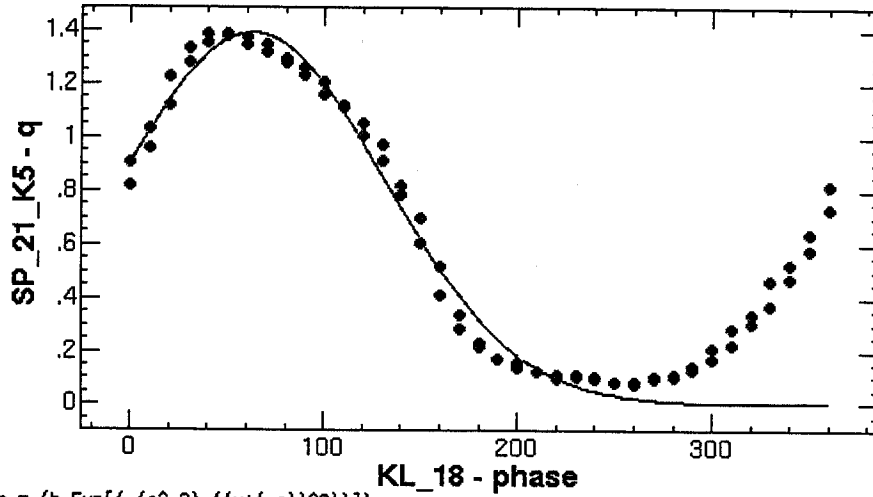
07/01/2004 09:22:43 Help

ChiSquare = 3.44945 Goodness = .47768

a = 96.1383 +/- 6.75552

b = 1.39150 +/- .05757

c = 62.8273 +/- 4.40318



Hard Copy

④ 10.5° (KL2φ)

File Edit Window

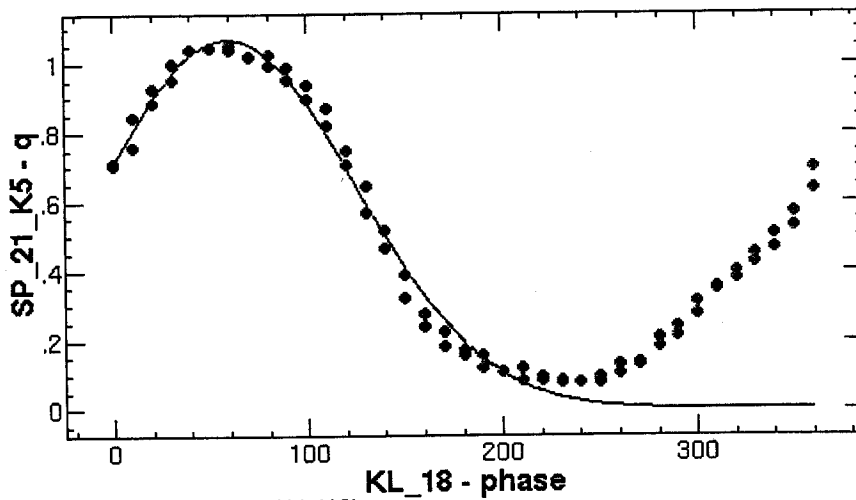
07/01/2004 09:27:32 Help

ChiSquare = 3.36417 Goodness = .47768

a = 92.7195 +/- 8.63042

b = 1.06997 +/- .05791

c = 59.1313 +/- 5.65266



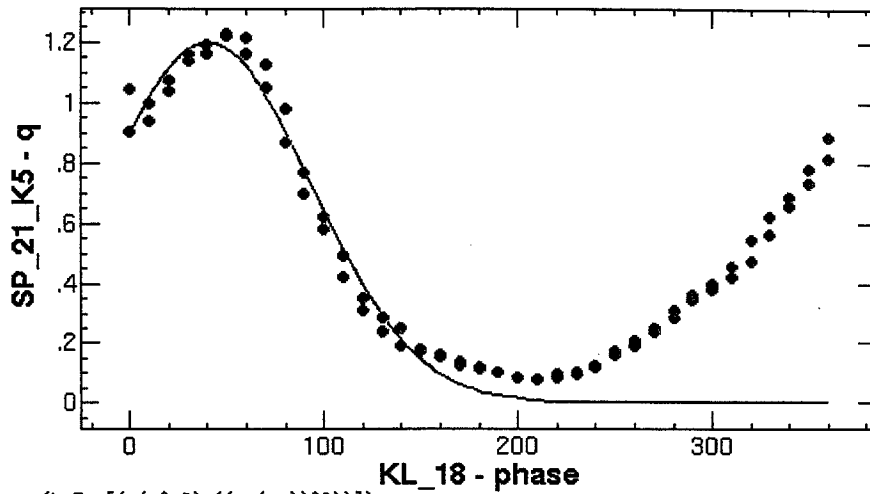
Hard Copy

⑦ 340.6°

File Edit Window

07/01/2004 09:36:50 Help

ChiSquare = 6.31921 Goodness = .47768  
 a = 75.4252 +/- 10.4101 b = 1.20026 +/- .08799 c = 40.4312 +/- 7.10688



Function = (b Exp[-(a^2) ((x+(-c))^2)])

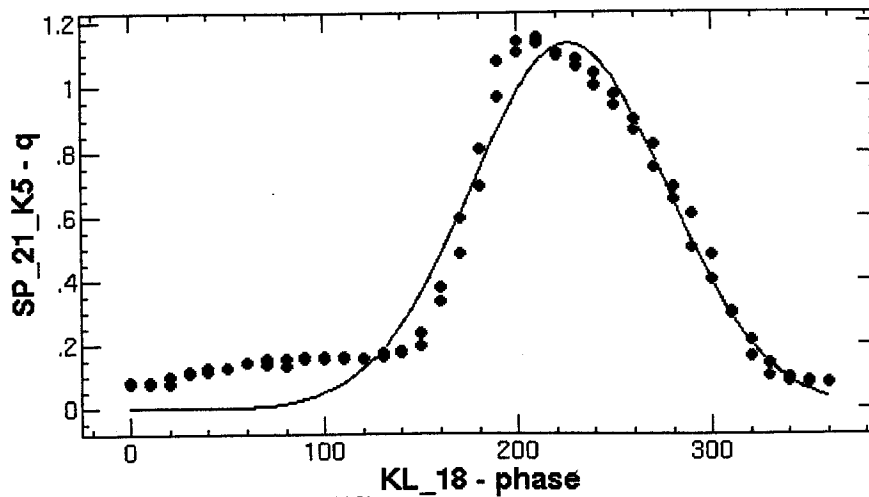
Hard Copy

⑧ 250.5° (KL21φ)

File Edit Window

07/01/2004 09:38:12 Help

ChiSquare = .58241 Goodness = .47768  
 a = 71.3991 +/- 1.91449 b = 1.13280 +/- .02624 c = 226.333 +/- 1.34994



Function = (b Exp[-(a^2) ((x+(-c))^2)])

Hard Copy

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⑥ a2kEz SB2 PEZ 2 sector end charge Ez  
amit peak  $\tau \sim 75^\circ$  (SB-2)

File Edit Window

07/01/2004 09:46:09 Help

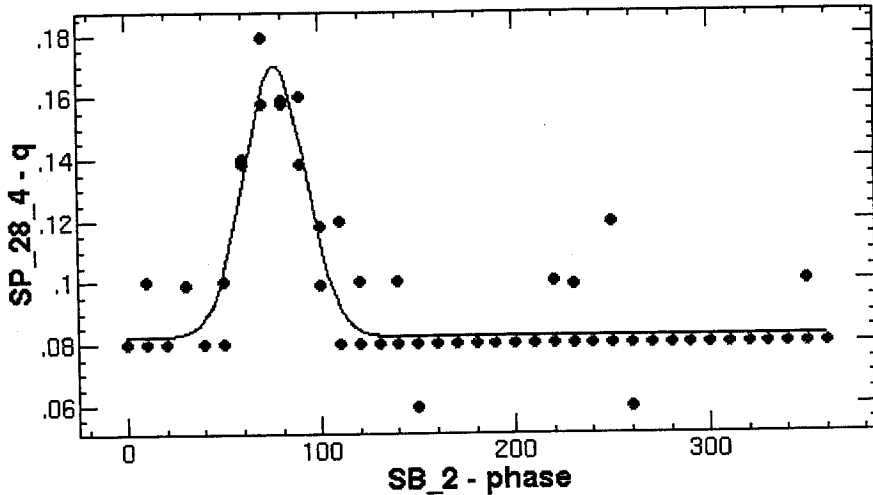
ChiSquare = .00765 Goodness = .47752

a = 22.2904 +/- 1.66328

b = .08780 +/- .00550

c = 76.8796 +/- 1.12260

d = .08226 +/- .00138



Function = (d+(b Exp[-(a^-2) ((x+(-c))^2]]))

Main Application Area

9:45

⑥ D.F. 21\_K5 E 22/12

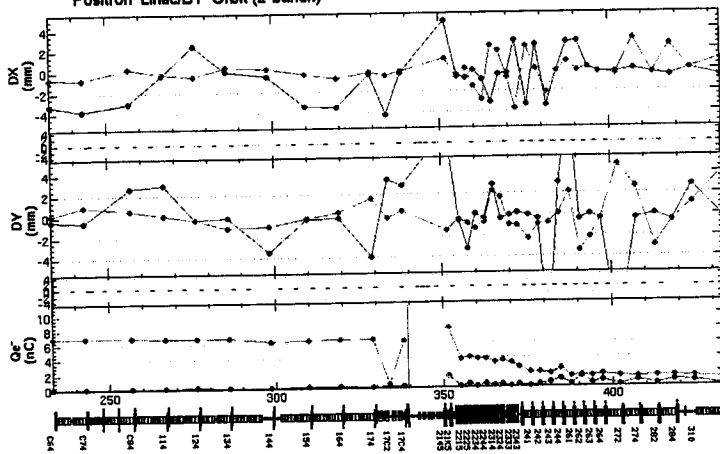
File Edit Measurement Correction Steering Orbit Window

07/01/2004 09:45:24 Help

Positron Linac/BT Orbit (2-bunch)

measuring all intervals: of 3 sec

measured 07/01/2004 09:45:17



r.m.s = 1.781 mm  
 max = 3.883 mm  
 @ SP402P\_1K  
 min = -12.526 mm  
 @ SP484

-1.182 mm  
 @ SP114  
 @ SP275 2200mm

r.m.s = 2.106 mm  
 max = 11.884 mm  
 @ SP484  
 min = -12.547 mm  
 @ SP484

-886 mm  
 @ SP4188  
 @ 8845 30.5mm

600 nC  
 150 nC  
 @ SP114.5  
 @ 8951 804 nC  
 @ 8721 300 nC

125

meas -> gold on 06/27/2004 17:05:46

range DX Auto Fix (5) DV Auto Fix (5) Auto Fix (2) a/n 10 Replot

Clear Statistics Standard Size

meas stat ref mess-ref stat-ref gold meo-gold sta-gold

meas -> gold mess -> ref stat -> ref

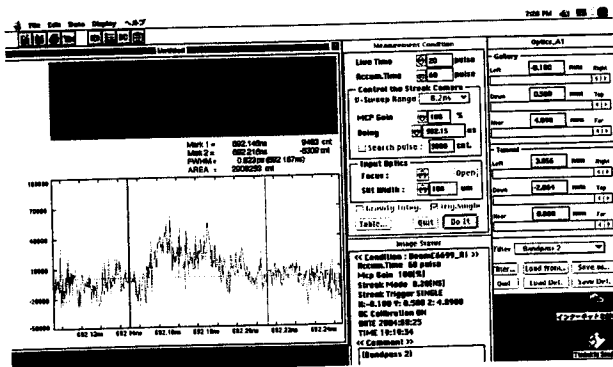
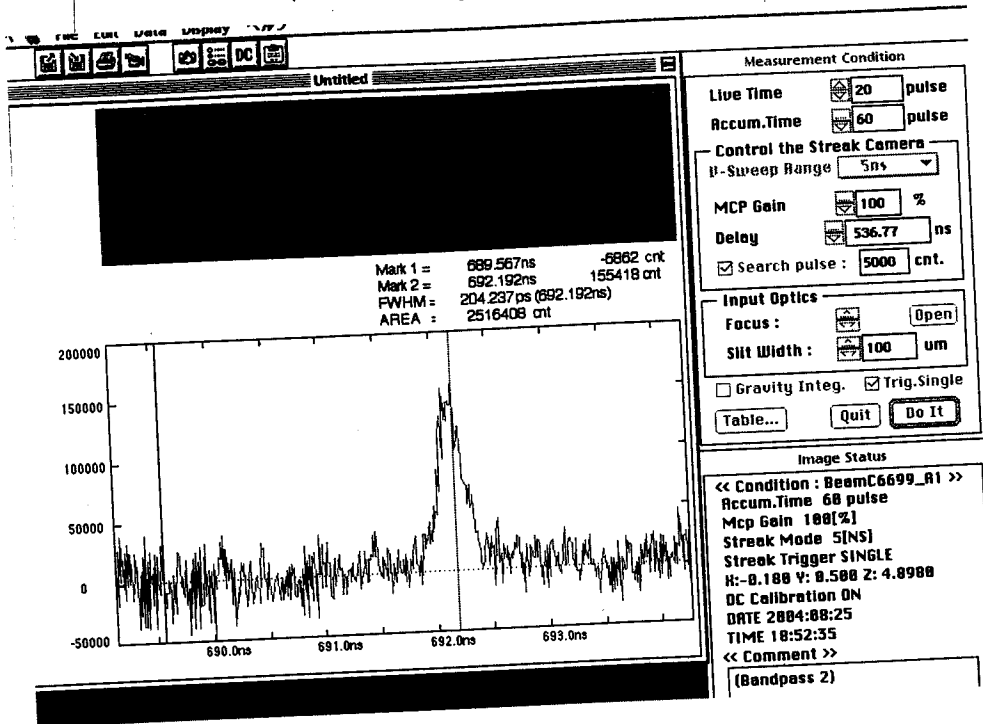
meas stat ref mess-ref stat-ref gold meo-gold sta-gold

single double

Main Application Area

2004/8/25

ex 入射部調整



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吉田, 横山  
8月26日(木)

ae/bunch quick			Accum. 30 pulse / slit 1000 μm	
SH-A1-S1	PHASE	360.0°	28.153 ps	画像 P.172

→ 356.0	20.684
→ 357.0°	19.422
358.0	19.549

SH-A1-S8	PHASE	40.0°	19.422
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37.0°	21.919
38.0	20.013
39.0	21.003
40.0	19.758

Bandpass 2 & integrate.

40.0	20.049
41.0	15.436
42.0	18.617
41.5	17.906
→ 41.0	17.906
40.5	19.449

Bandpass 1, slit 100 μm	13.484	画像 P.173
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~~GV-A1-G Delay Control 13945~~

~~GVH Delay Timing Delay 1391~~



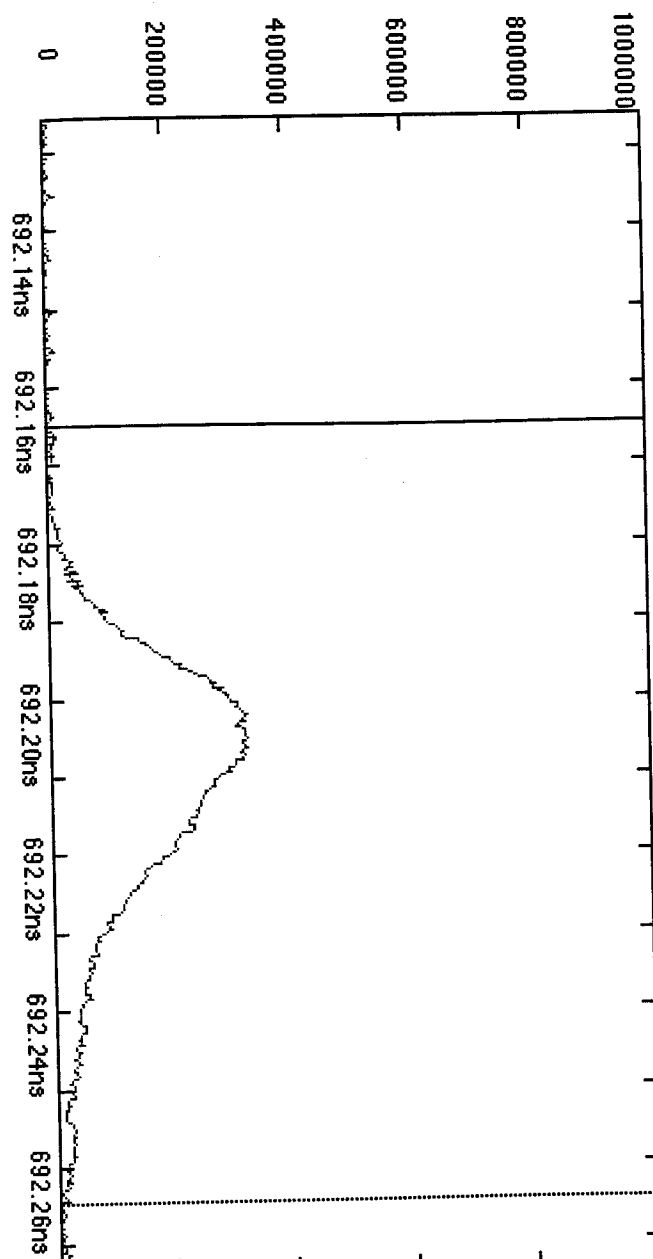
調整する前

LINE UNIT Data Display



Untitled

Mark 1 = 692.165ns 5922 cnt  
 Mark 2 = 692.265ns 7774 cnt  
 FWHM = 28.153ps (692.205ns)  
 AREA = 35300649 cnt



Measurement Condition

Live Time  pulse  
 Accum.Time  pulse

Control the Streak Camera  
 Sweep Range

MCP Gain  %

Delay  ns

Search pulse :  cnt.

Input Optics

Focus :

Slit Width :

Gravity Integ.  Trig.Single

Image Status

<< Condition : BeamC6699\_A1 >>

Accum.Time 30 pulse

Mcp Gain 82[%]

Streak Mode 0.28[NS]

Streak Trigger SINGLE

H:-0.180 V:0.500 Z:4.8980

DC Calibration ON

DATE 2004-08:26

TIME 11:02:00

<< Comment >>  
 (No Filter)

File Edit Data Display ヘルプ 11:36 AM

Untitled

Mark 1 = 689.936ns -8154 cnt  
 Mark 2 = 696.407ns -7766 cnt  
 FWHM = 360.772ps (692.340ns)  
 AREA = 1470171 cnt

Measurement Condition

Live Time 1 pulse  
 Accum.Time 30 pulse

Control the Streak Camera

U-Sweep Range 100ns  
 MCP Gain 45 %  
 Delay 531.30 ns  
 Search pulse : 5000 cnt.

Input Optics

Focus : Open  
 Slit Width : 100 um  
 Gravity Integ.  Trig.Single  
 Table... Quit Do It

Image Status

<< Condition : BeamC6699\_R1 >>  
 Accum.Time 30 pulse  
 Mcp Gain 45[%]  
 Streak Mode 10[NS]  
 Streak Trigger SINGLE  
 H:-0.180 Y: 0.500 Z: 4.8980  
 DC Calibration ON  
 DATE 2004:08:26  
 TIME 11:35:00  
 << Comment >>  
 (Bandpass 1)

Optics\_A1

Gallery

Left -0.180 mm Right  
 Down 0.500 mm Top  
 Near 4.898 mm Far

Tunnel

Left 3.856 mm Right  
 Down -2.064 mm Top  
 Near 0.000 mm Far

Filter Bandpass 1  
 Filter... Load from... Save as...  
 Quit Load Def. Save Def.

インターネットを絡めよ  
 Timbuktu Sender

File Edit Data Display ヘルプ 11:41:18

Untitled

Mark 1 = 692.165ns -4117 cnt  
 Mark 2 = 692.265ns 3428 cnt  
 FWHM = 14.940ps (692.199ns)  
 AREA = 13470270 cnt

Measurement Condition

Live Time 1 pulse  
 Accum.Time 30 pulse

Control the Streak Camera

U-Sweep Range 0.2ns  
 MCP Gain 79 %  
 Delay 552.17 ns  
 Search pulse : 5000 cnt.

Input Optics

Focus : Open  
 Slit Width : 100 um  
 Gravity Integ.  Trig.Single  
 Table... Quit Do It

Image Status

<< Condition : BeamC6699\_R1 >>  
 Accum.Time 30 pulse  
 Mcp Gain 79[%]  
 Streak Mode 0.20[NS]  
 Streak Trigger SINGLE  
 H:-0.180 Y: 0.500 Z: 4.8980  
 DC Calibration ON  
 DATE 2004:08:26  
 TIME 11:41:18  
 << Comment >>  
 (Bandpass 1)

Optics\_A1

Gallery

Left -0.180 mm Right  
 Down 0.500 mm Top  
 Near 4.898 mm Far

Tunnel

Left 3.856 mm Right  
 Down -2.064 mm Top  
 Near 0.000 mm Far

Filter Bandpass 1  
 Filter... Load from... Save as...  
 Quit Load Def. Save Def.

インターネットを絡めよ  
 Timbuktu Sender