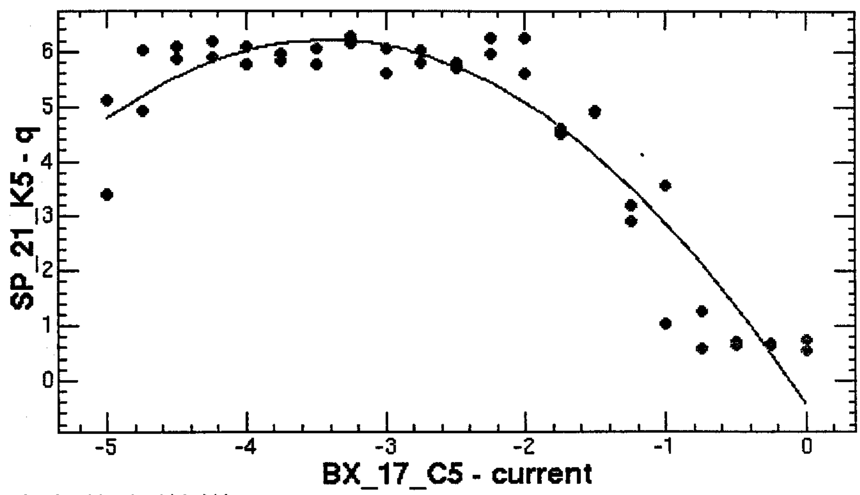
⑤ KEKB e+ モードで 現在のタングステン部が オフセットしている状態で e+ yield がどれぐらい出るか測る。

File Edit Window 03/08/2006 19:47:22 Help

ChiSquare = 18.7913 Goodness = .46988

a = -.57348 +/- .05243 b = -3.4155 +/- .10398 c = 6.22067 +/- .14655



← 後でふる範囲を広くして測定しなおし

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

Hard Copy

BX_17_C5 - current

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

Hard Copy

b, c も通っている。

① e⁻ が穴を通っている。

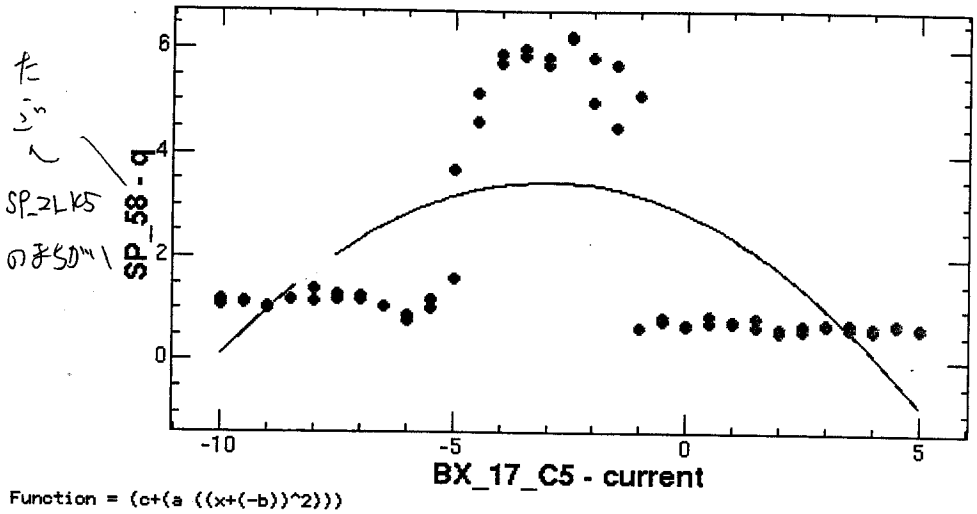
② BPM がこわれた?

③ BPM にビームがあたっている

File Edit Window 03/08/2006 19:55:59 Help

ChiSquare = 158.790 Goodness = .47551

a = -.06782 +/- .01167 b = -2.9946 +/- .35385 c = 3.44277 +/- .31153



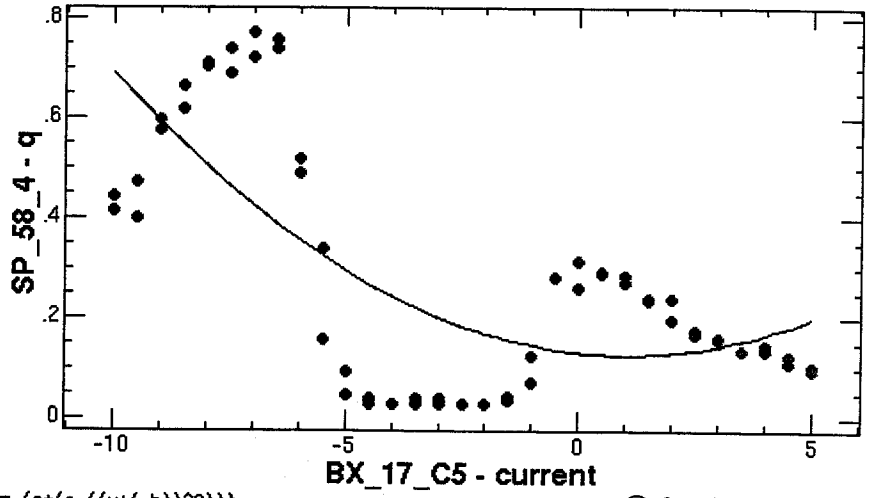
Function = (c+(a ((x+(-b))^2)))

Hard Copy

File Edit Window 03/08/2006 20:03:26 Help

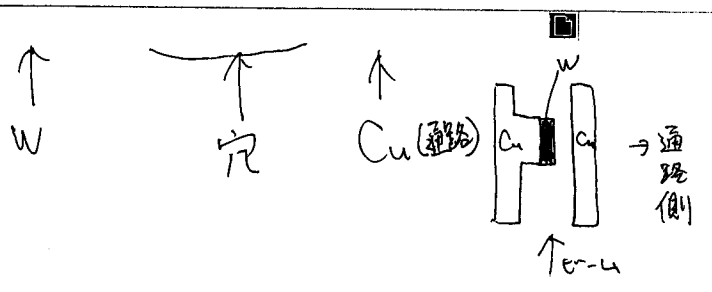
ChiSquare = 1.81359 Goodness = .47551

a = .00467 +/- .00125 b = 1.00621 +/- 1.07780 c = .12510 +/- .02988



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

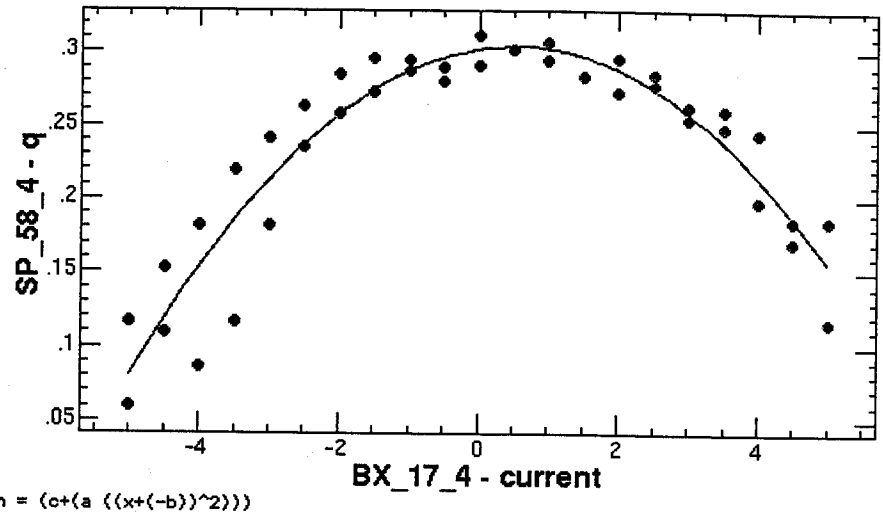
Hard Copy



File Edit Window 03/08/2006 20:09:34 Help

ChiSquare = .02406 Goodness = .46988

a = -.00734 +/- 4.69E-4 b = .51384 +/- .09225 c = .30387 +/- .00570



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

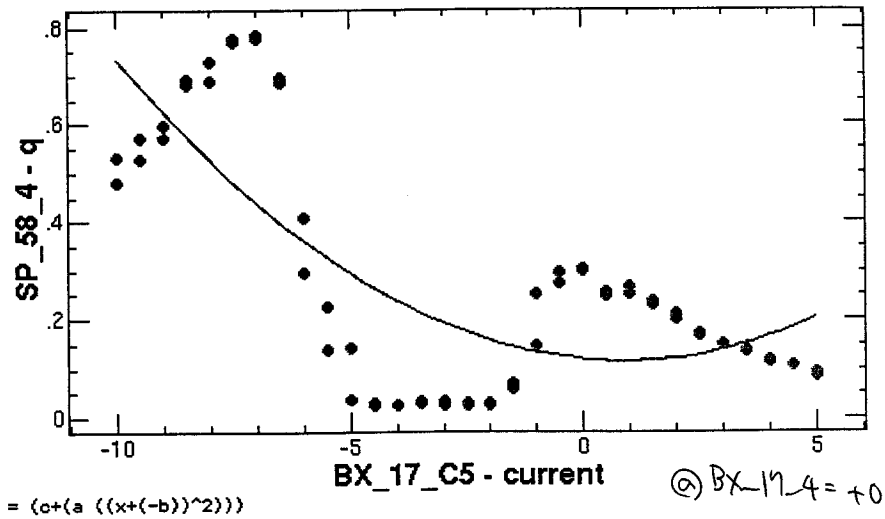
Hard Copy

BX_17_C5 = 0A にして 上流の BX_17_4 をふる。
ターゲットの構造をあまり反映しているようには見えない。
周にあるQ びけり戻されているため方？

File Edit Window 03/08/2006 20:20:57 Help

ChiSquare = 1.66510 Goodness = .47551

a = .00526 +/- .00119 b = .85690 +/- .88735 c = .11413 +/- .02864



@BX_17_4 = +0.536A

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

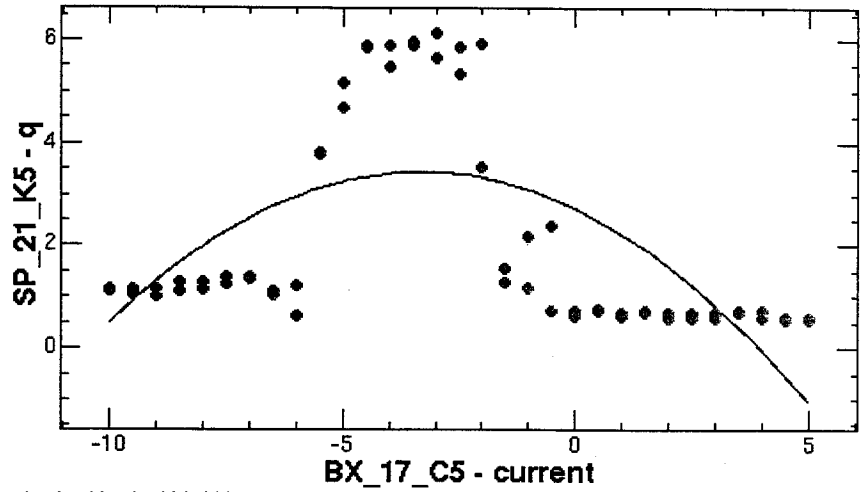
Hard Copy

BX_17_4の値をかえても BX_17_C5をふると ターゲットの構造を反映した。
ピークが見える。

File Edit Window 03/08/2006 20:29:27 Help

ChiSquare = 142.827 Goodness = .47551

a = -.06573 +/- .01106 b = -3.2996 +/- .36206 c = 3.44435 +/- .29355

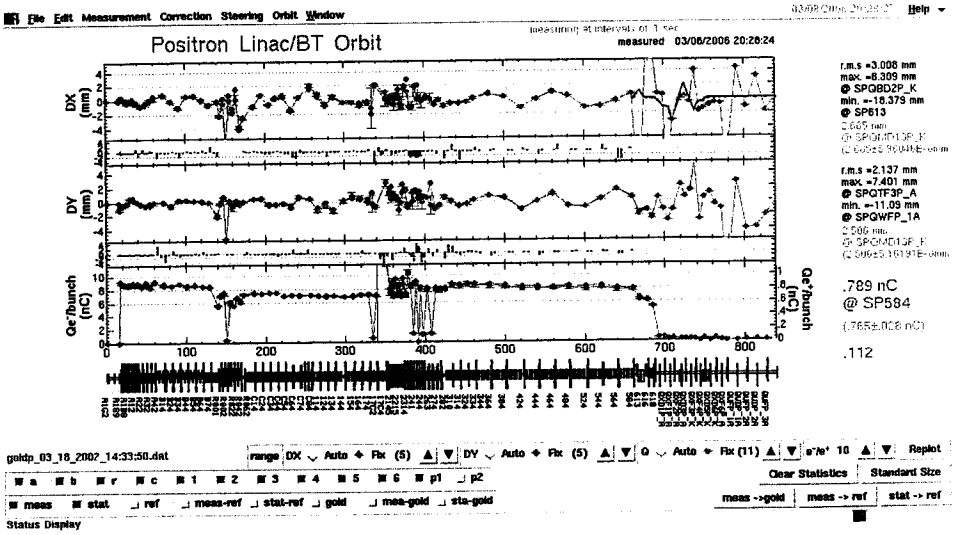


Function = (c+(a ((x+(-b))^2)))

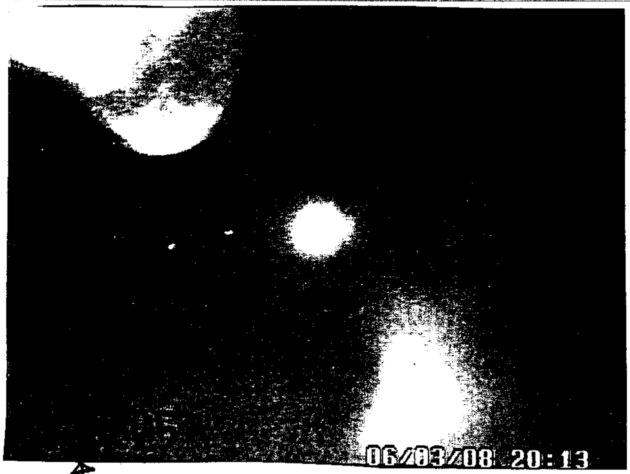
Hard Copy

ちょうど穴の位置で charge が減ることより

e^- が通り抜けているものと思われる.



通常時と同程度 e^+ が出ている.



す
17_C5

(1) BX_17_4 及び 〃 _C5 の 電流 vs x-pos on target は?

20:35 BT, RF Phase セーブ

BT: data4138.all (anaaki target study (e^+ mode SP_58_4 0.78nC))

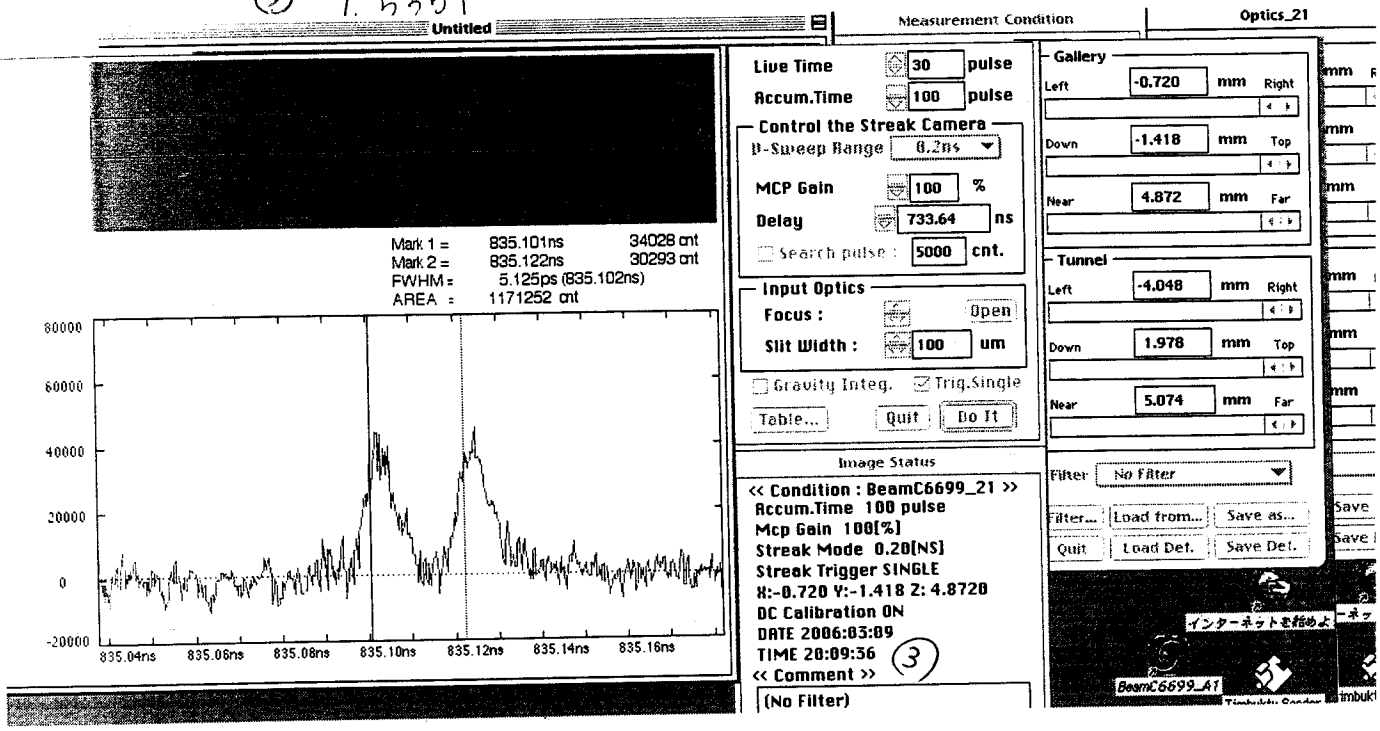
ϕ: data1601.phase.all (anaaki target study (e^+ mode SP_58_4 0.78nC))

2006.03.09

Test測定

knob

① 1.5148
② 1.5246
③ 1.5351

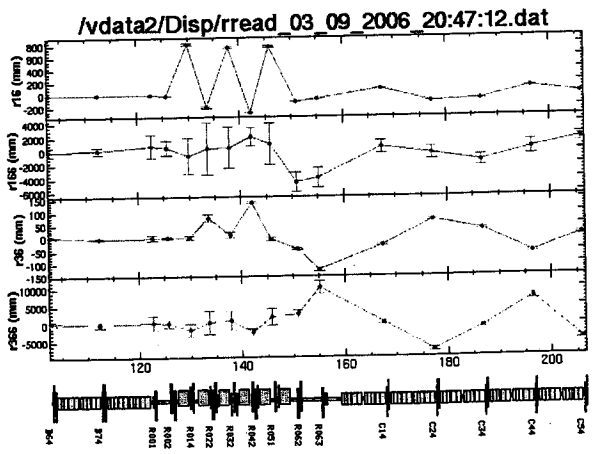


① ~~1.5140~~ 1.5135
② 1.5156
③ 1.5171
④ 1.5195
⑤ 1.5213
⑥ 1.5231
⑦ 1.5254) 中心
⑧ 1.5257
⑨ 1.5275
⑩ 1.5300
⑪ 1.5313
⑫ 1.5333
⑬ 1.5244

57

File Edit Window

R16(6), R36(6) (BPMs) | dE/E vs X (BPMs) | dE/E vs Y (BPMs) | dE/E vs Q (BPMs) | R56(6) (Streak Camera) | Fit



Measurement
Low energy: 1.5145
High energy: 1.5358
Delta energy: .002
Iterations/step: 10
Comments: <none>
No Streak Camera | Use Streak Camera
Wait for Streak Camera
Debugging Mode | Execution Mode
Abort

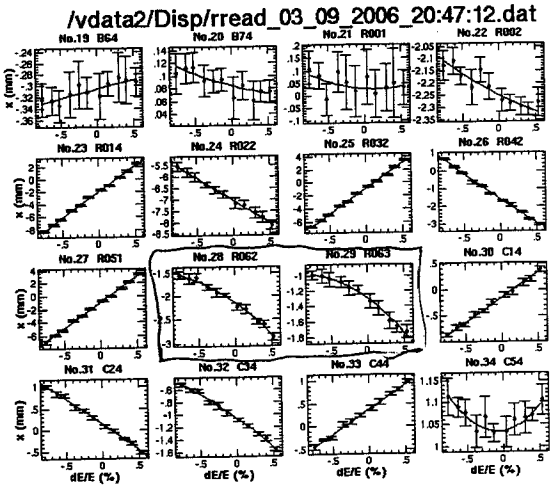
Files
Load Raw Data File
Dispersion file: /vdata2/Disp/rmeas_03_09_2006_
Write Dispersion File

Analysis
<none>
Drop streak points (1): 0
Drop streak points (2): 0
Energy Scale Factor (current): 1
Energy Scale Factor (replot): .264079436478856
Energy Offsets (current): 0
Energy Offsets (replot): 0

Sokuteichuu...done.

File Edit Window

R1S(6), R36(6) (BPMs) | dE/E vs X (BPMs) | dE/E vs Y (BPMs) | dE/E vs Q (BPMs) | R56(6) (Streak Camera) | Fit

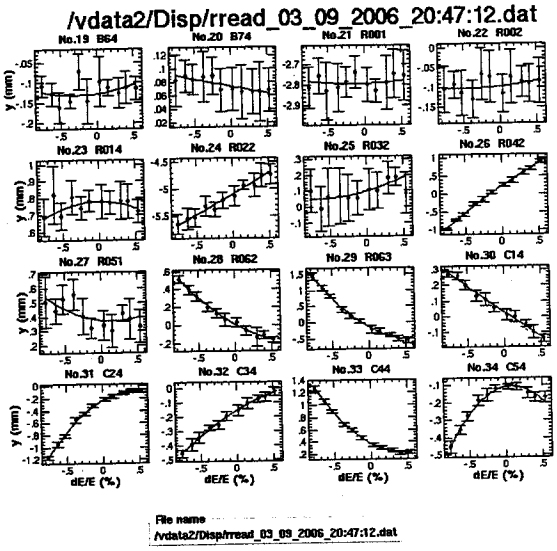


File name
/vdata2/Disp/rread_03_09_2006_20:47:12.dat

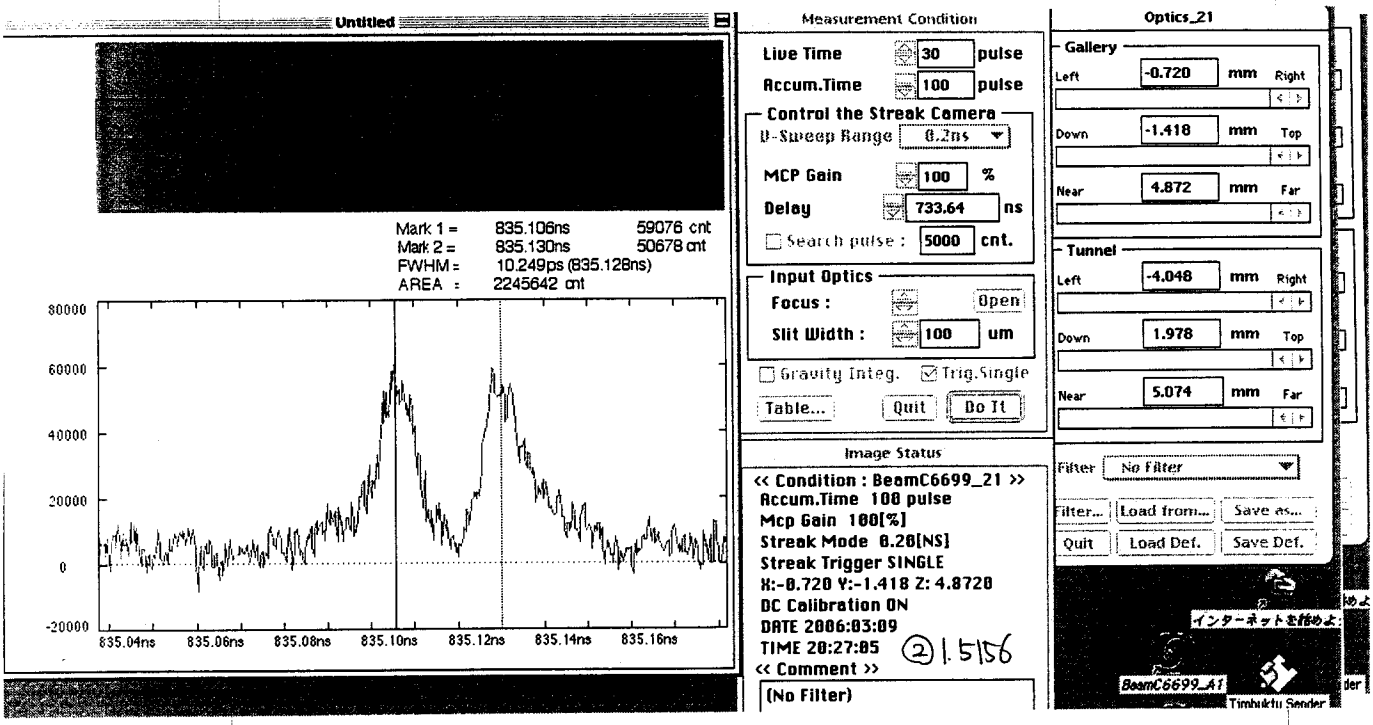
Sokuteichuu...done.

File Edit Window

R16(6), R36(6) (BPMs) | dE/E vs X (BPMs) | dE/E vs Y (BPMs) | dE/E vs Q (BPMs) | R56(6) (Streak Camera) | Fit



Sokuteichuu...done.

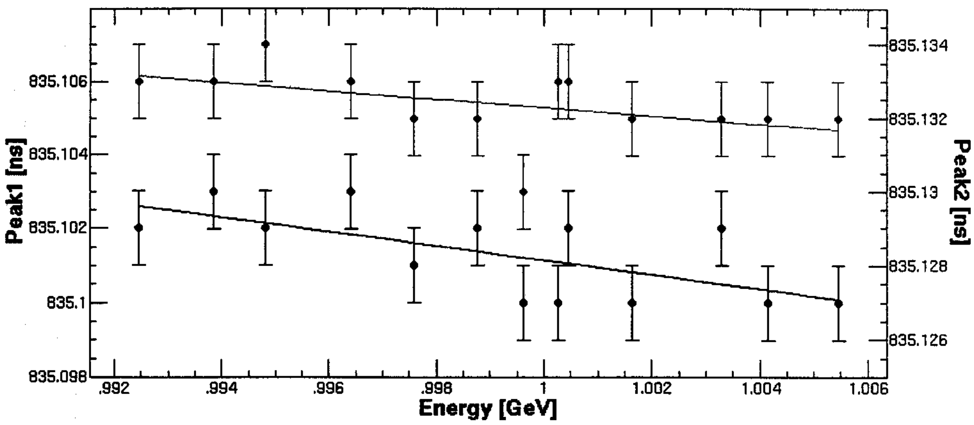


Edit Window 03/10/2006 11:45:39 He

= 9.52965 Goodness = .53367

+/- .07202 b = 835.328 +/- .07196

Green: a1 = -.1131 +/- .072 b1 = 835.218 +/- .072
Red: a2 = -.1938 +/- .072 b2 = 835.321 +/- .072



2005.3.9〜10の 21 ストリーク調整について

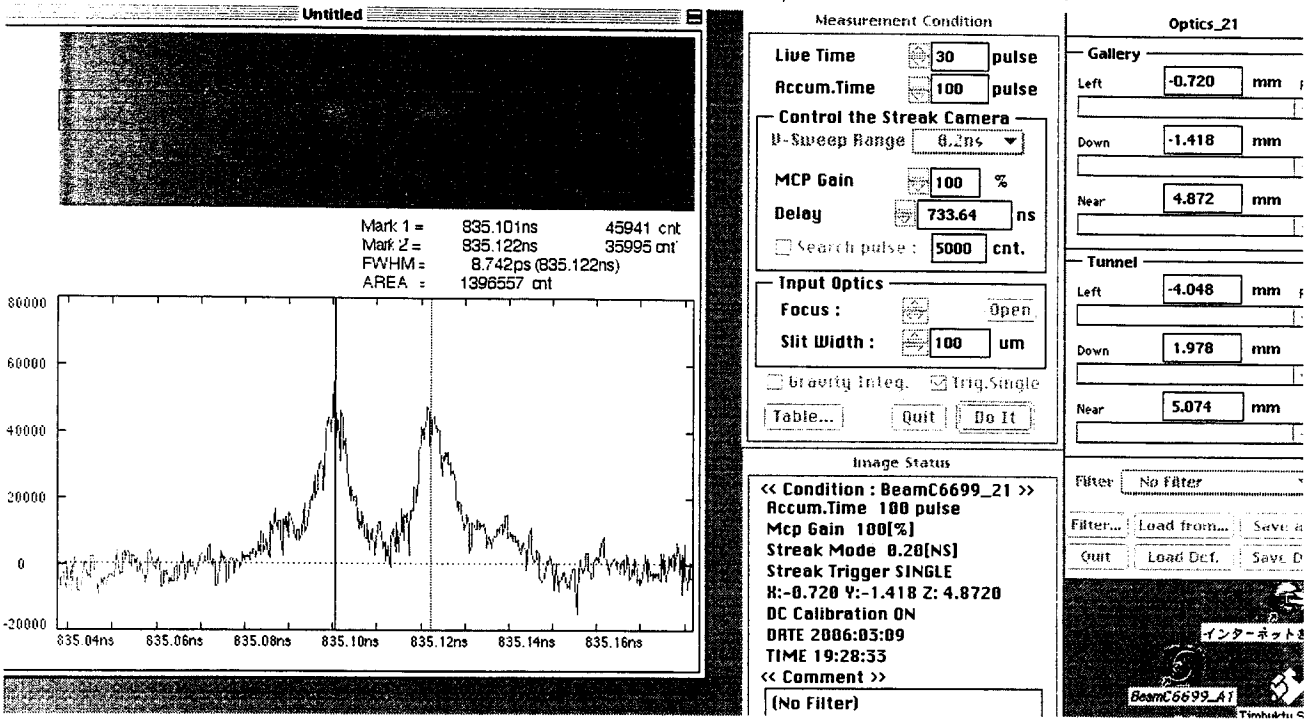
光学系の調整により光量が増えた

ターゲットを中心にもってくると OTRは弱い

streak modeで光量の大きいところを探した

slit 100 μmでの測定ができた

SB_C~4 +0° ΔE/E NOT optimized.



SC_61_A3