

(Beam Center 630 EFW)

2004.10.28(木) - 10:00 ~

BT-JHX-1

Left 5mm

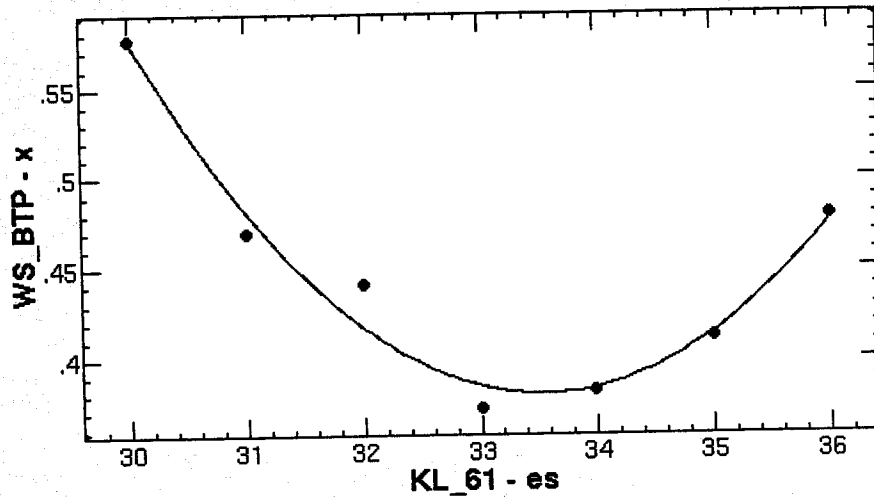
Right 10mm

ECS に 対 して 幅 測 定

File Edit Window

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ChiSquare = 8.68E-4 Goodness = .40601
 a = .01574 +/- .00160 b = 33.5317 +/- .10375 c = .38020 +/- .00829



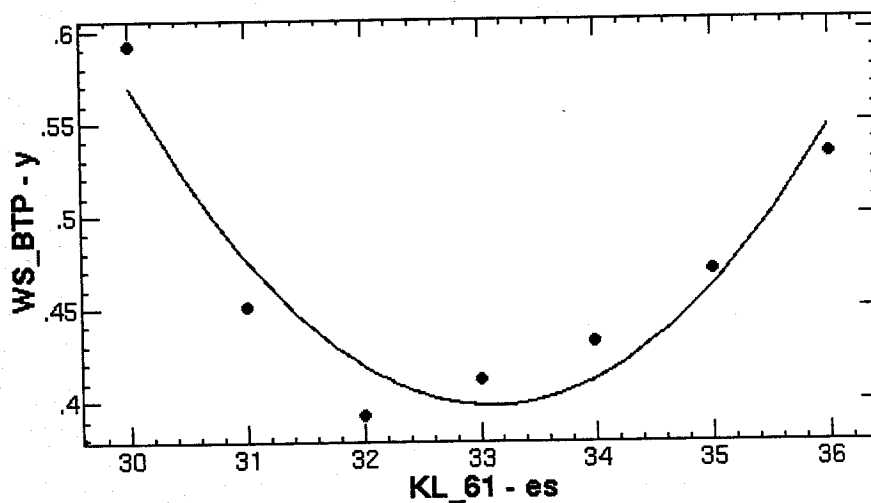
Function = (c+(a ((x+(-b))^2)))

Main Application Area

File Edit Window

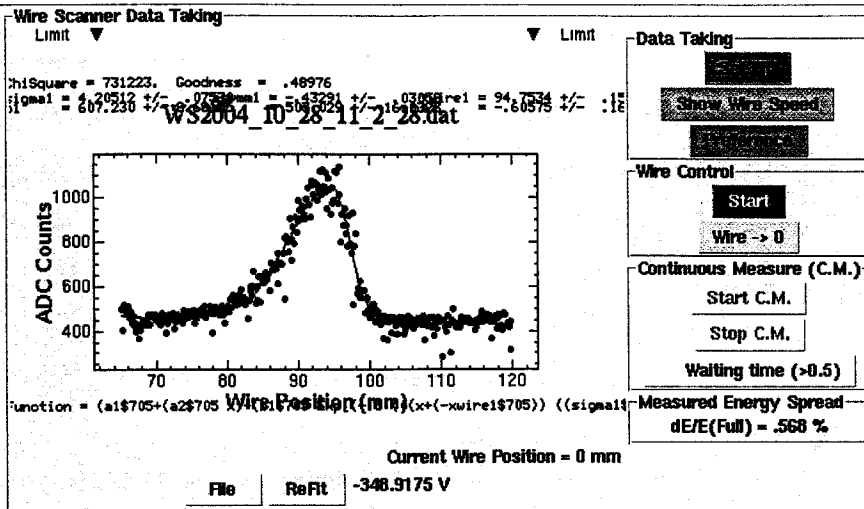
10/28/2004 11:48:57 Help

ChiSquare = .00281 Goodness = .40601
 a = .01788 +/- .00289 b = 33.0986 +/- .14100 c = .39724 +/- .01526

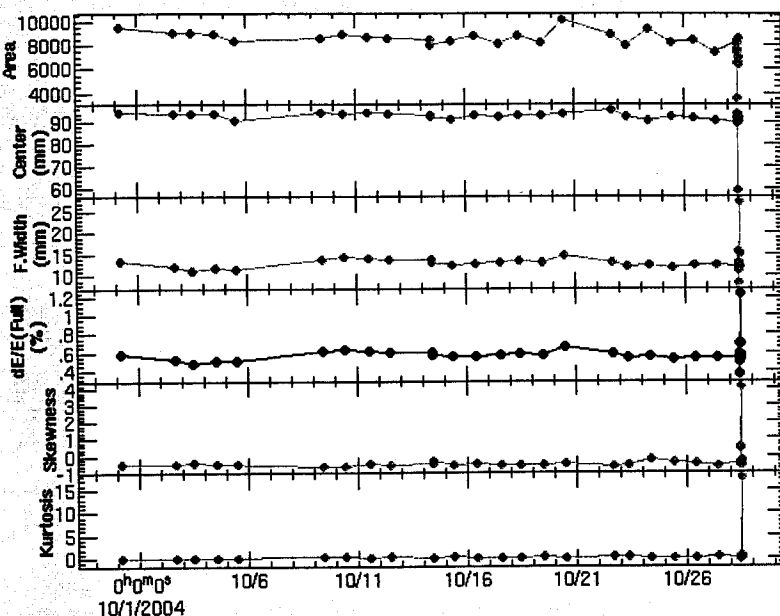


Function = (c+(a ((x+(-b))^2)))

Hard Copy



e+ Injection e+ Injection



Qmag values were SAVED to /data1/KEKB/Wire/dE/BTm/positron/data/Qvalue/qname_2004_10_28_11_1_49.dat0

KL61 STB 1st. 10/17/04 修正後

KL-61 Es = 30 kV 1st P

KL-61 Es = 31 kV 1st P

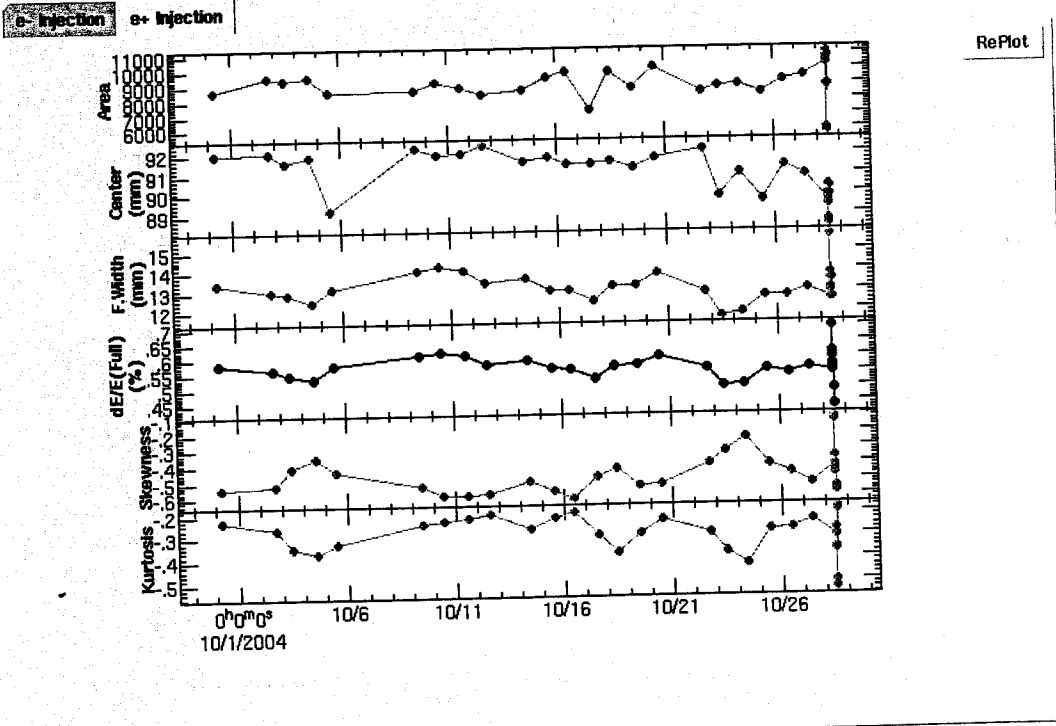
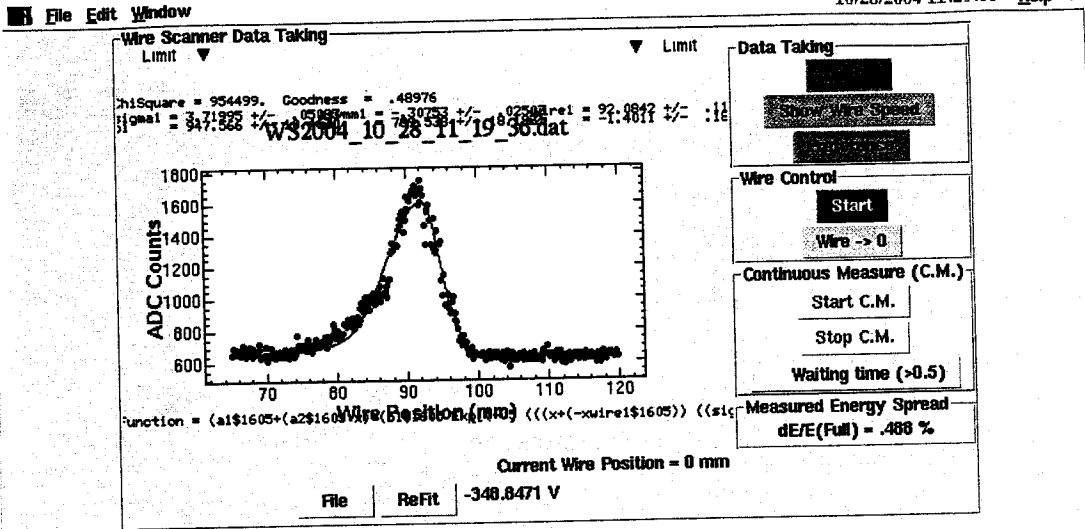
KL-61 Es = 32 kV 1st P

KL-61 Es = 33 kV 1st P

KL-61 Es = 34 kV (10/17/04 修正後)

KL-61 Es = 35. kV 1st P

KL-61 Es = 36.0 kV 1st P



KL-61 $E_s = 30.0 \text{ kV}$ 2nd P

KL-61 $E_s = 31 \text{ kV}$ 2nd P

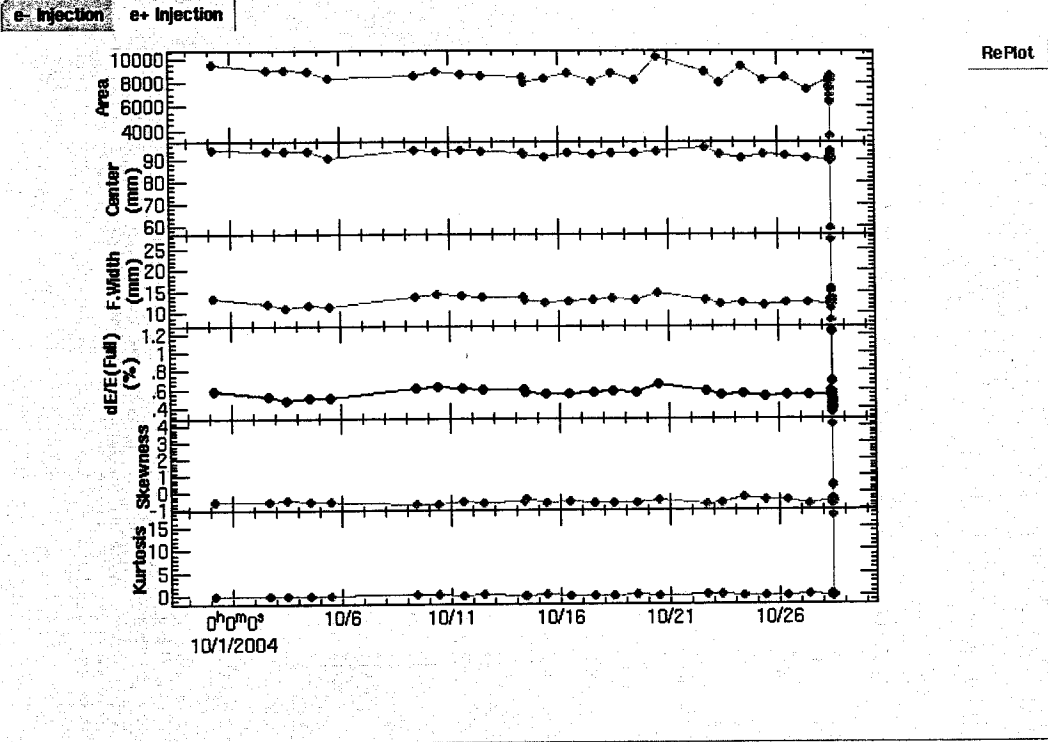
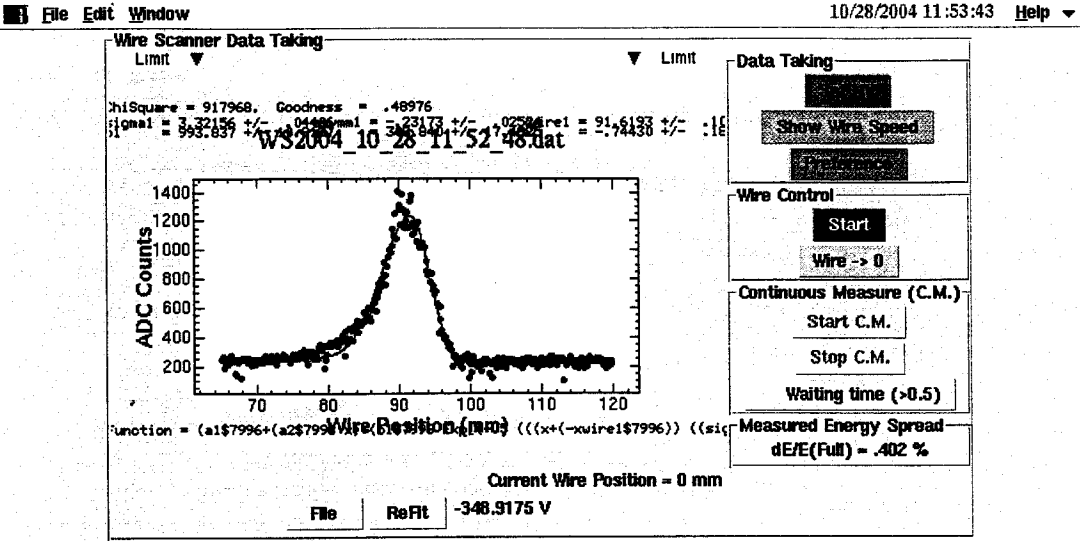
KL-61 $E_s = 32.0 \text{ kV}$ 2nd P

KL-61 $E_s = 33 \text{ kV}$ 2nd P

KL-61 $E_s = 34 \text{ kV}$ 2nd P

KL-61 $E_s = 35 \text{ kV}$ 2nd P

KL-61 $E_s = 36 \text{ kV}$ 2nd P



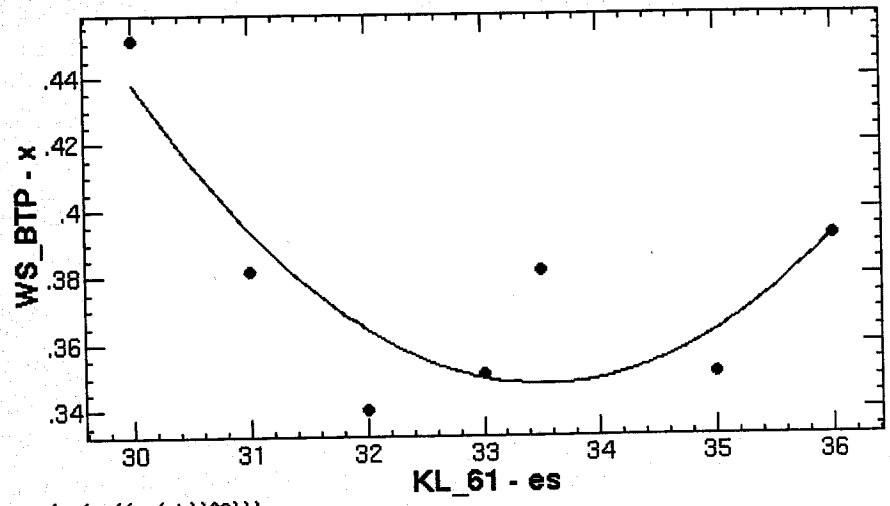
Qmag values were SAVED to /data1/KEKB/Wire/dE/BT/in/positron/data/Qvalue/qname_2004_10_28_11_8_46.dat

KL-61 Es = 33.5KV 1st P
 e+ (SP-6L3) FB offset = 0mm
 Offset = 5mm
 e+ Offset = 10mm
 KL-61 Es = 33.5KV 2nd P
 e+ (SP-6L3) FB offset = 0mm
 e+ Offset 5mm
 Offset = 10mm

16230 2⁺ 工数共 = 巾田測定 J14-7-1 (全南) (他E 全南)

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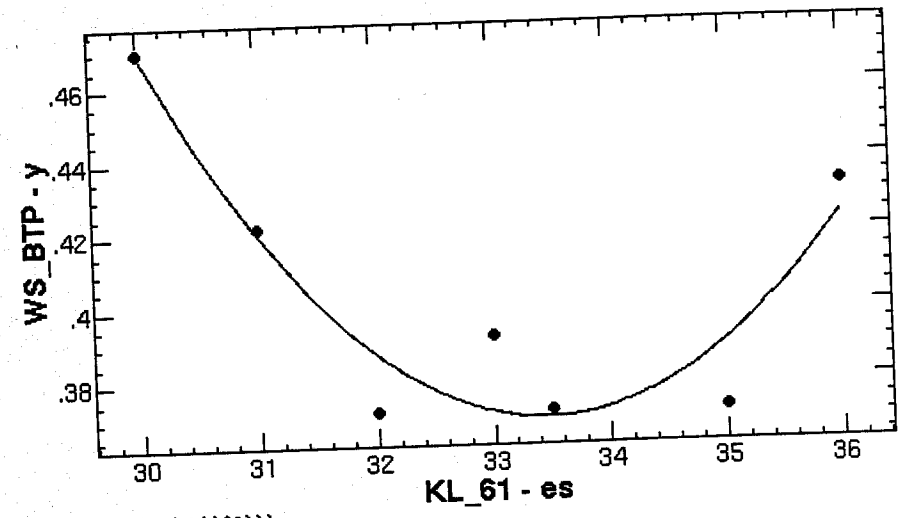
ChiSquare = .00225 Goodness = .40601
 a = .00731 +/- .00252 b = 33.5193 +/- .35556 c = .34746 +/- .01311



Main Application Area

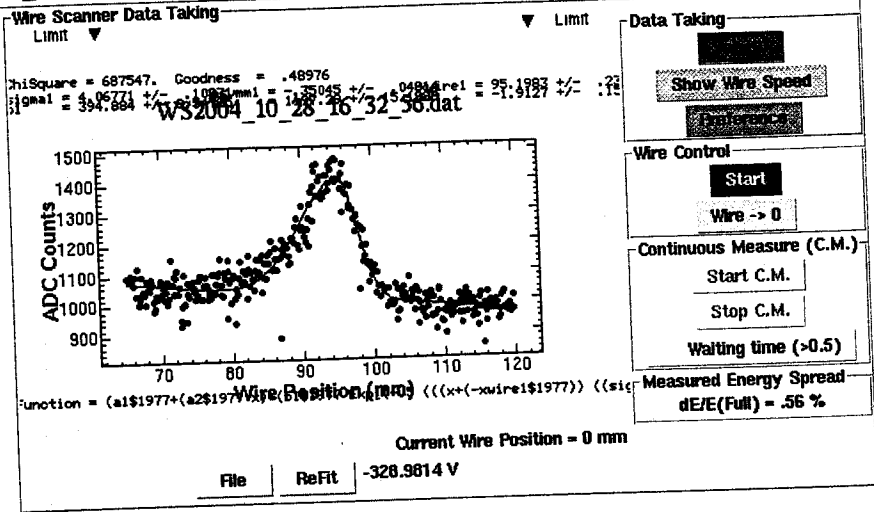
File Edit Window 10/28/2004 17:01:52 Help

ChiSquare = .00105 Goodness = .40601
 a = .00835 +/- .00172 b = 33.4549 +/- .20629 c = .36982 +/- .00897

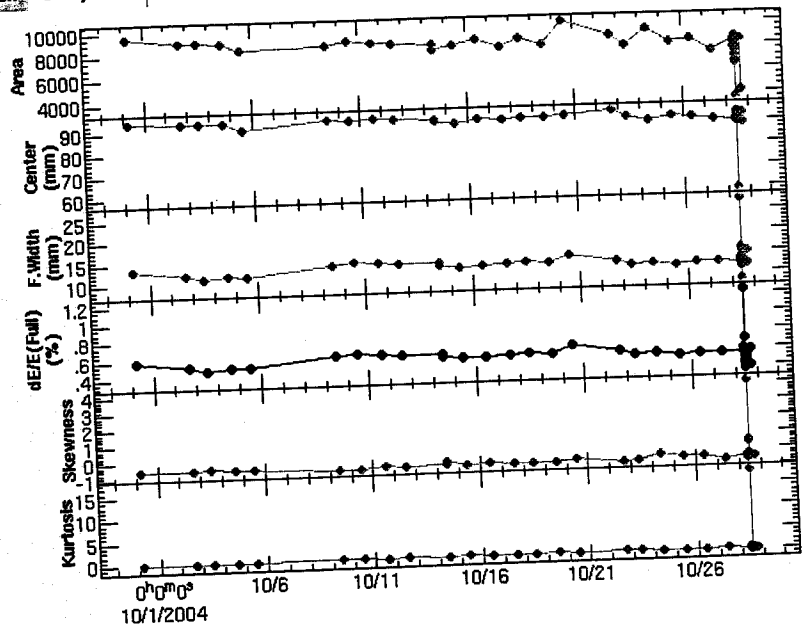


Hard Copy

File Edit Window



e- Injection e+ Injection



RePlot

Qmag values were SAVED to f\data1/KEKB/Wire/dE/BT/in/positron/data/Qvalue/qname_2004_10_28_16_26_35.dat0

KL-61 STB 1st

KL-61 Es = 30kV 1st

KL-61 Es = 31kV 1st

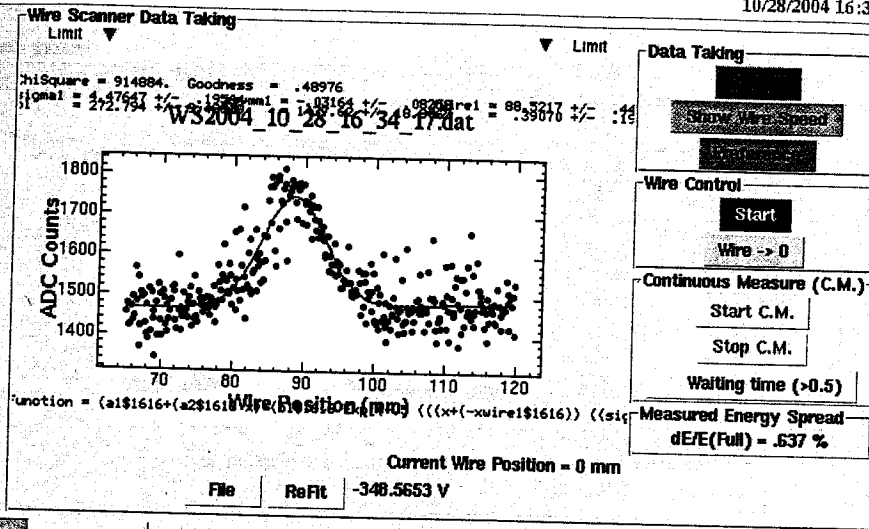
KL-61 Es = 32kV 1st

KL-61 Es = 33kV 1st

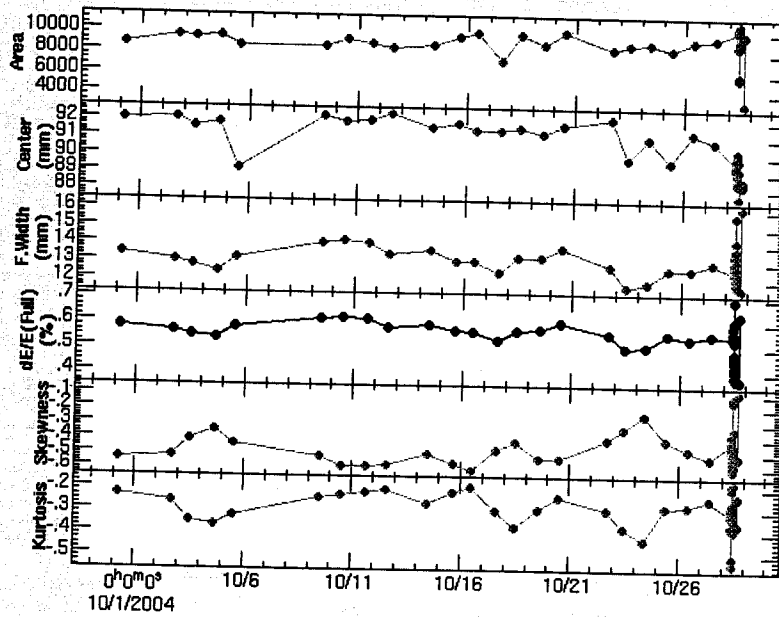
KL-61 Es = 33.5kV 1st

KL-61 Es = 35kV 1st

KL-61 Es = 36kV 1st



e- Injection e+ Injection



Qmag values were SAVED to /data1/KEKB/Wire/dE/BTin/positron/data/Qvalue/qname_2004_10_28_16_27_5.dat0

KL-61 STB 2nd

KL-61 $E_s = 30 \text{ kV}$ 2nd

KL-61 $E_s = 31 \text{ kV}$ 2nd

KL-61 $E_s = 32 \text{ kV}$ 2nd

KL-61 $E_s = 33 \text{ kV}$ 2nd

KL-61 $E_s = 33.5 \text{ kV}$ 2nd

KL-61 $E_s = 35 \text{ kV}$ 2nd

KL-61 $E_s = 36 \text{ kV}$ 2nd

2004. 12. 2 C-band 加速試験 紙谷、杉村、横山

13:38
14:27

RF-ON
AR入射

P.180

- ① 4-4 unit $E_s = 28.56 \text{ kV}$ (2004.10.6. (前回と同じ値での測定を可。))
 (Power=12.4, Pf=9.4)
 ① AR $\epsilon - \epsilon^- \epsilon^- \epsilon^- \epsilon^-$ Energy = 3.0019 GeV BM-61-1
 5Hz. Current = 732.845 A Analyzerパネル
 SC-61-H ϵ^- スタート確認

(※ 1-4 は standby. 1-5 Acc. ^{入力}作業の都合上)

- ② Feedback OFF AR Energy, 5X, 5Y PF AR
 4X, 4Y
 6X, 6Y. PF

- ③ BPM Average 5.
 軌道補正 (毎分 7° 07' 74")

- ④ SP-61-H1 Xposition -3.5 → ±0.04
 Energy knob 3.1454 → 3.1018

- ⑤ 4-4 Acc $\epsilon - \epsilon^-$ ON Xposition -2.8

- ⑥ 4-4 Phase 144.5° → 123° にセット
 Max 123°
 Min 526.5°
 X position 3.6 -3.6 Standby時 -0.032

⑦ Simple Correlation Plot

trigdata - T	DELAY-TIME
KL-44	2180
KL-44-RF	28
KL-44-RF2	2180.

~~File #~~
~~KL44 sp61h 20041202153~~

Active Equipment	Type	Trigger-Delay	interval (sec)
	Name	KL-44	
sp	Name	SP-61-h1	3
start		6000	
stop		8000	
step		25	

File Edit Window

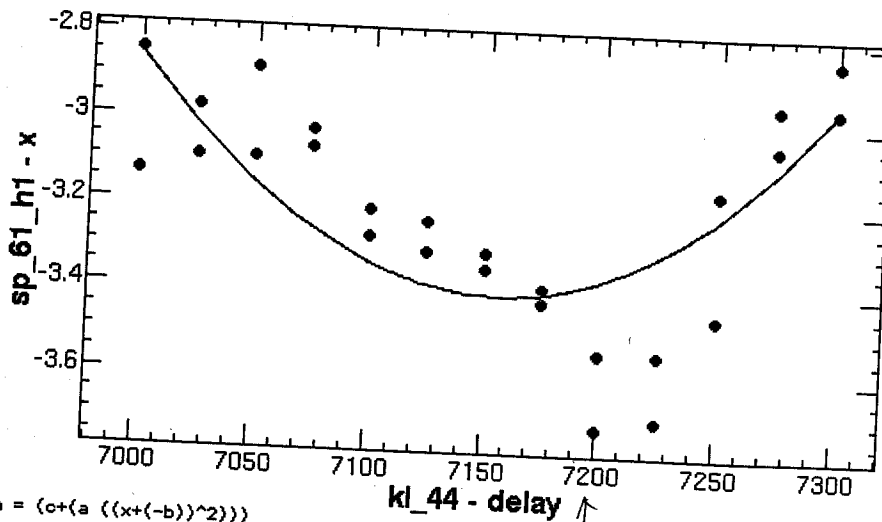
12/02/2004 15:40:00 Help

ChiSquare = .77156 Goodness = .46077

a = 2.24E-5 +/- 4.63E-6

b = 7157.11 +/- 8.68125

c = -3.4108 +/- .05405



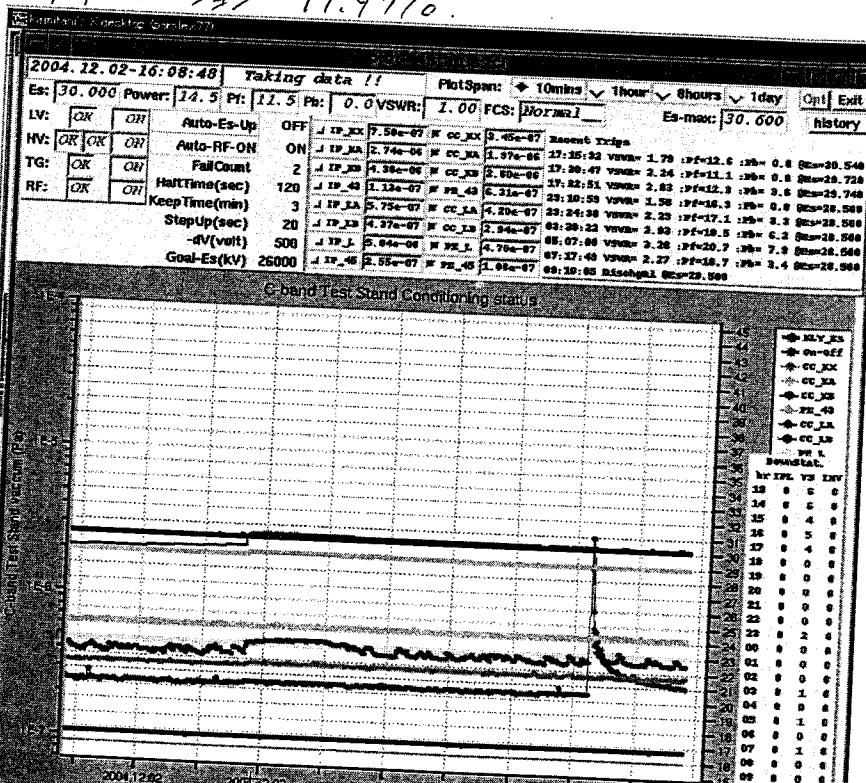
Function = (c+(a((x+(-b))^2)))

Hard Copy

kl-44 - delay 7200 is t w t
trig set kl-44 7200

PT = I - 33% 99.97%

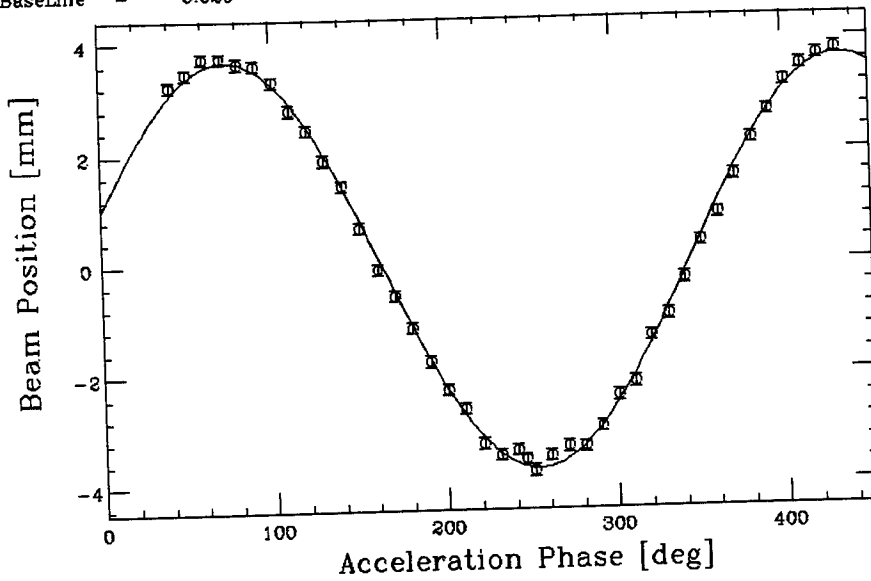
Es = 30.0kV



Es = 28.56 kV
 Power = 12.4, Pf = 9.2 (9.0) ^{↓ F₀ = F!}

C-band accelerator module:

Amplitude = 3.699 Energy Gain = 36.089
 PhaseOffset = -16.421 Accel Field = 37.504
 Baseline = -0.029



Pf-ratio = $\frac{11.5}{9.2}$

= $\frac{1.25}{}$

Power-ratio = $\frac{14.5}{12.4}$
 = $\frac{1.17}{}$

Egain-ratio = $\frac{42.5}{37.5}$
 = 1.13

$1.13^2 = \frac{1.28}{}$

Es = 30.00 kV
 Power = 14.5
 Pf = 11.5

42.487 MV/m

C-band accelerator module:

Amplitude = 4.189 Energy Gain = 40.864
 PhaseOffset = -43.791 Accel Field = 42.467
 Baseline = -0.023

