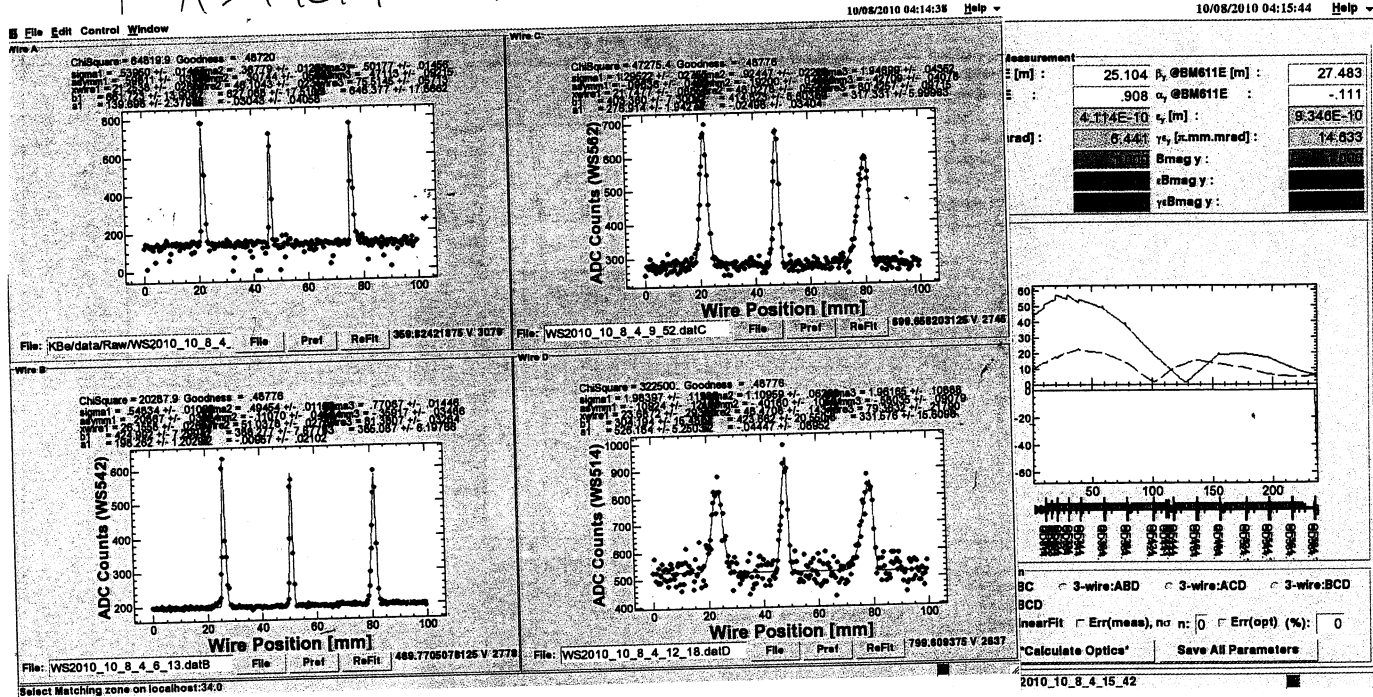


バンチ長16psで Wire Scanner 測定 結果



5セクタ -

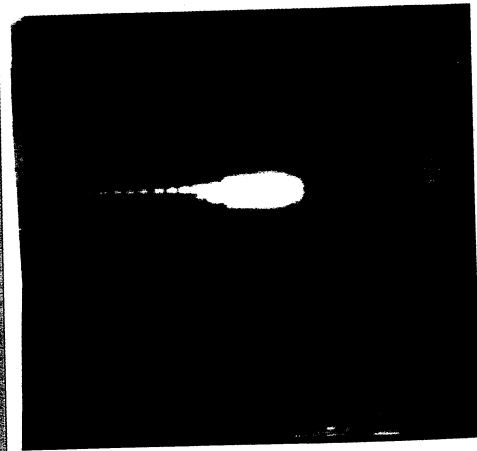
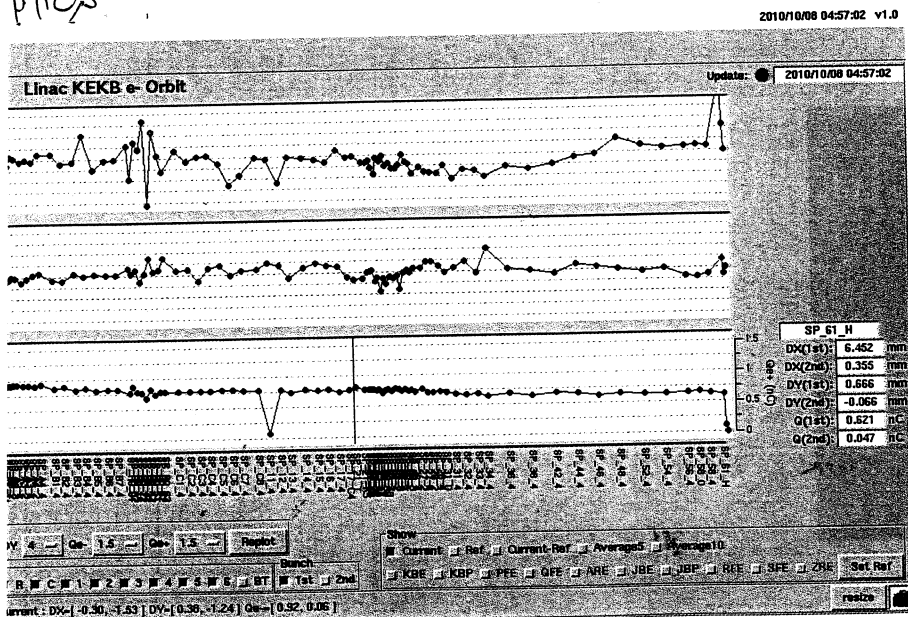
4 = 20

バンチ長 変更前の状態に戻す

- SH_A1_S1 Amplitude 15% → 94.08%
- SH_A1_S1 Power Feedback START.
- SH_A1_S1 (KBE) ϕ 167.8° → 163.3°
- SH_A1_S8 (KBE) ϕ 76.6° → 32.6°

4 = 25
共通Optics

SC_R0_31のビーム形状がバンチ長16ps時と同じになるようにSB_B ϕ を調整し、Wire Scanner で測定を行う。
 SB_B (KBE) ϕ 91.0° → 99.0°
 Energy Knob (r0_kbe) 1.6010 → 1.6060

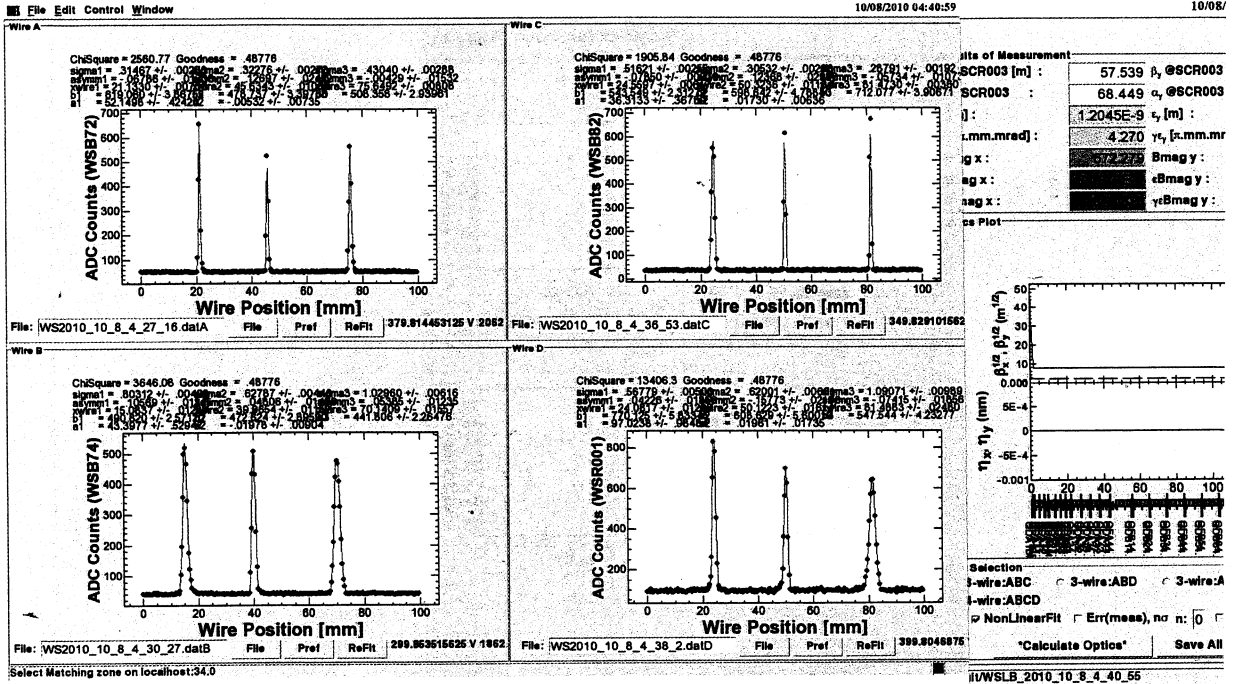


SC-R0-31 (SB_B ϕ 調整後)

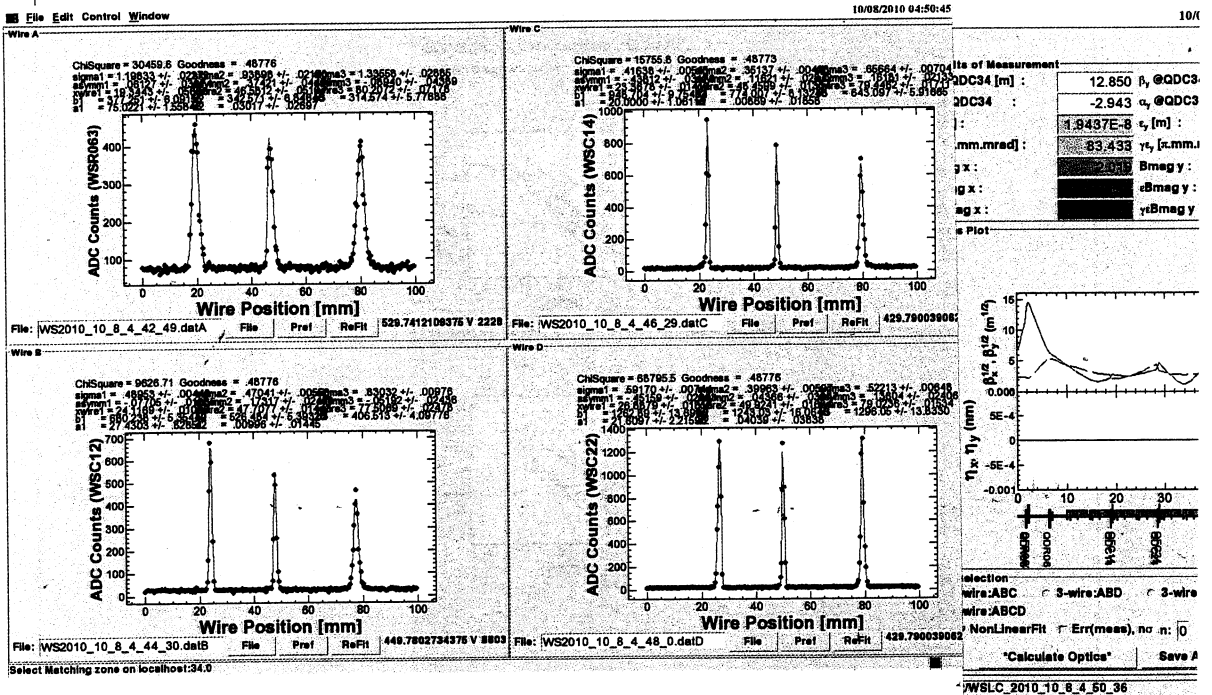
SB_B ϕ 調整後

4:27

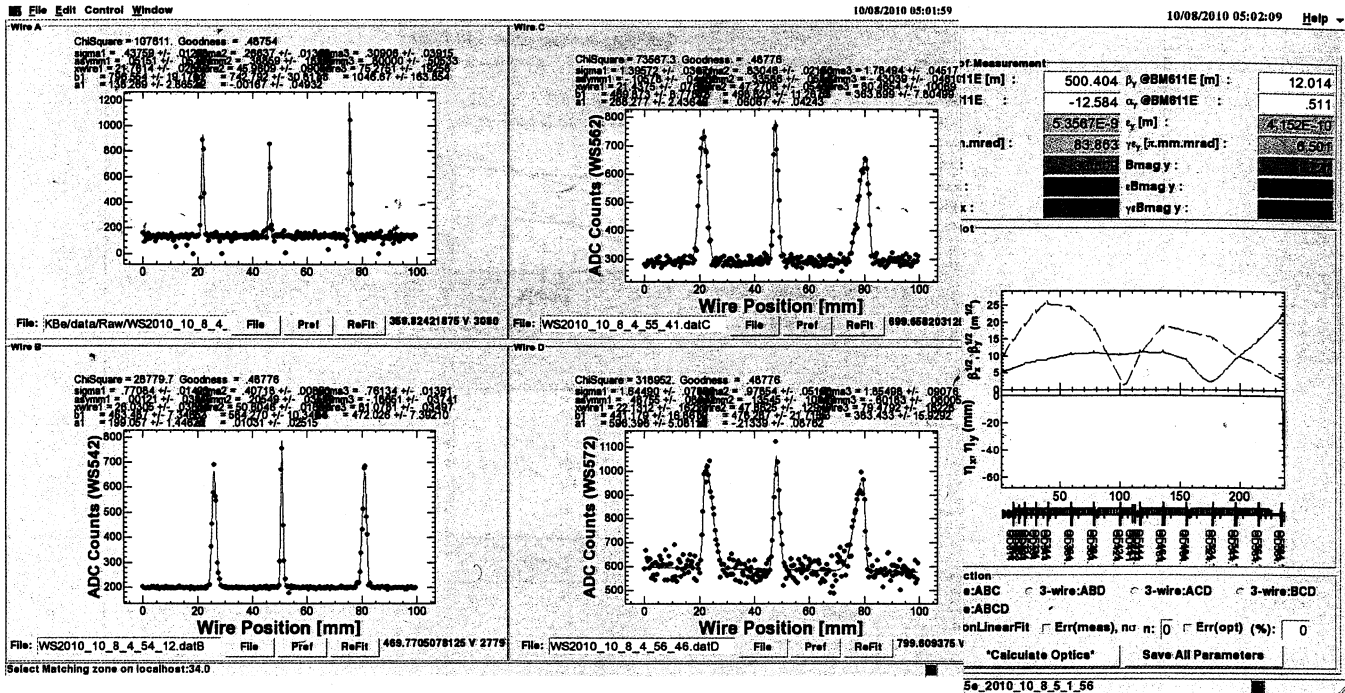
Wire Scanner 測定 (B.C, 5 77)



B 77



C 77



5e7A-

5:06

107A-AをSB-Bの変更前の状態に戻す。

SB-B^(kbe) φ 89° → 91°

Energy knob(ro_kbe) 1.6060 → 1.6010

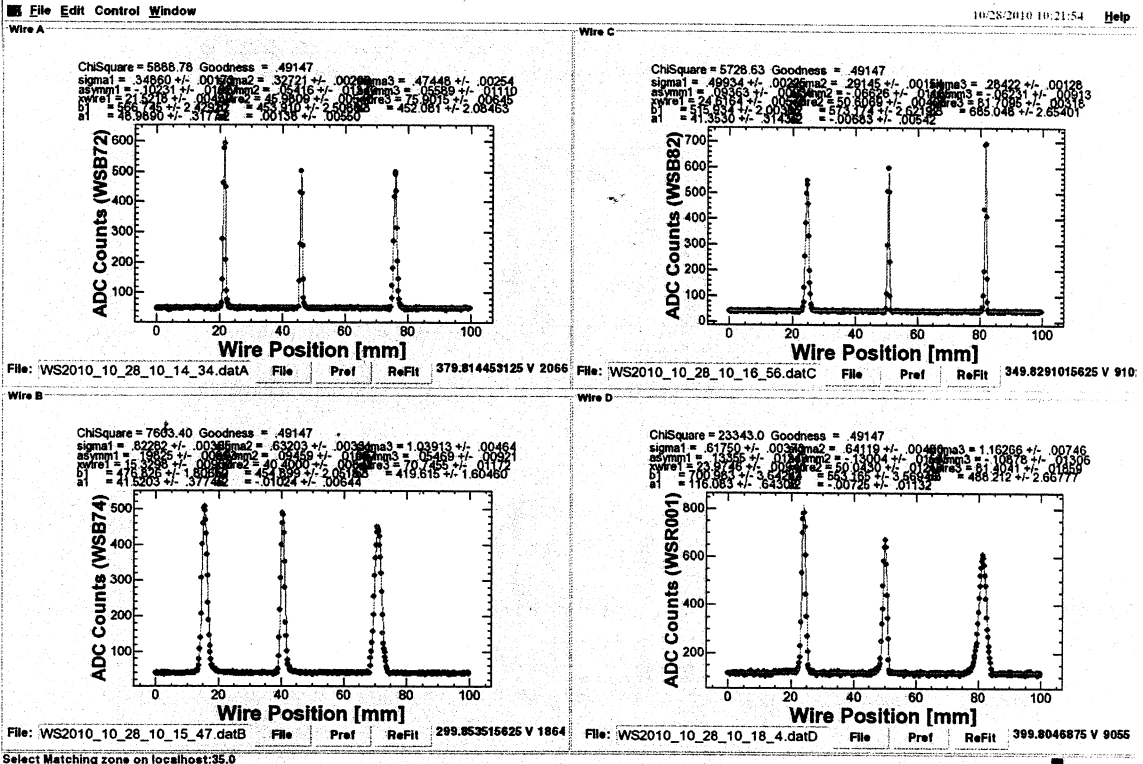
今シテ終了。

2010.10.28

共通 Optics Inc C-4 BT: data4986.all

Wire Scanner 測定 (B, C, 5 ㄷㄱ -)

10:21

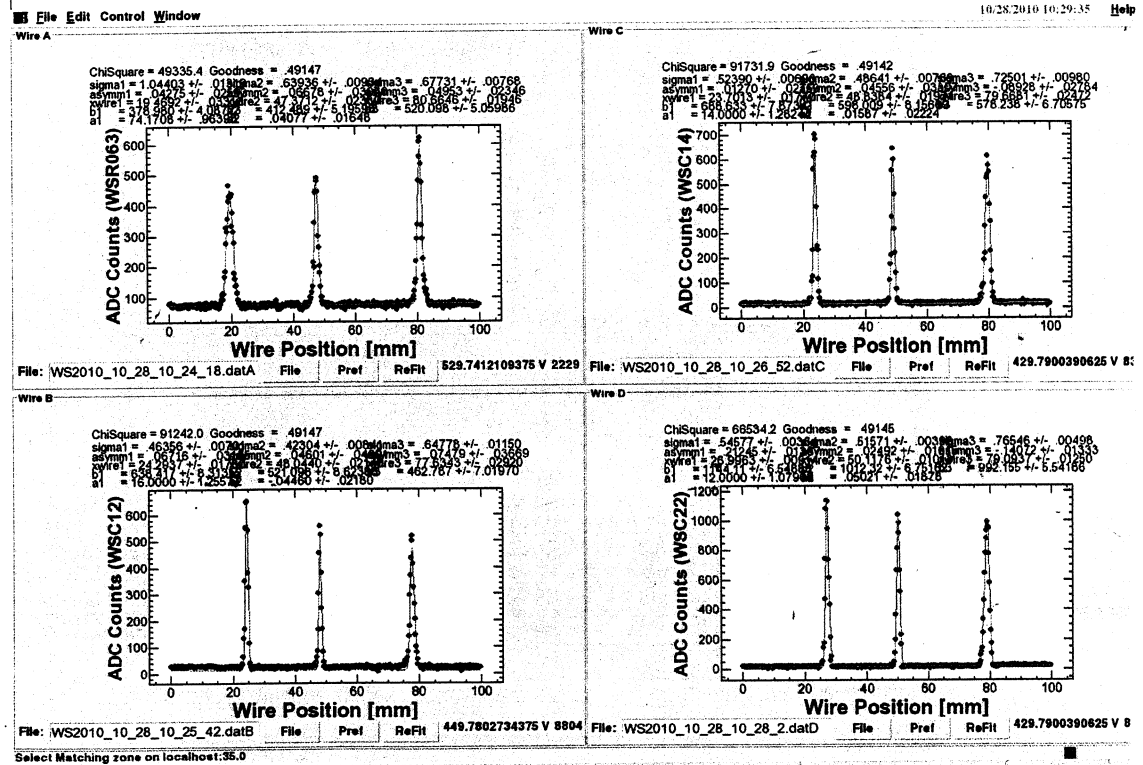


Select Matching zones on localhost:35.0

Calculate Optics Save

Qmag values were SAVED to /data1/KEKB/Wire/LINAC/sectorB/electron/data/Qvalue/qname_2010_10_28_10_14_27.dat0

Bㄷㄱ -



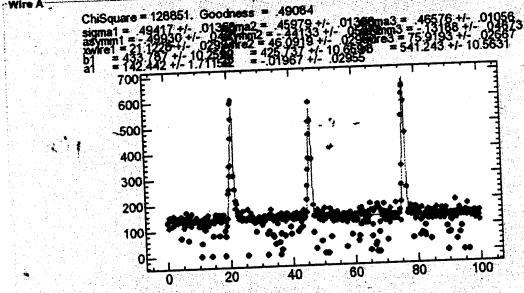
Select Matching zones on localhost:35.0

Calculate Optics Save

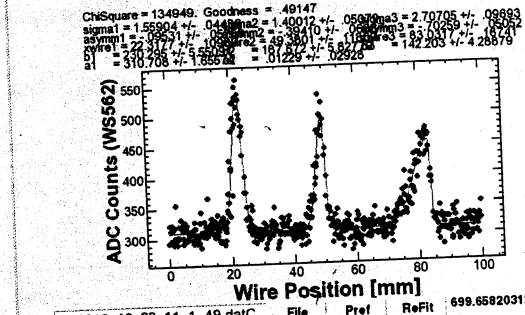
Qmag values were SAVED to /data1/KEKB/Wire/LINAC/sectorC/electron/data/Qvalue/qname_2010_10_28_10_24_3.dat0

Cㄷㄱ -

File Edit Control Window



Wire C

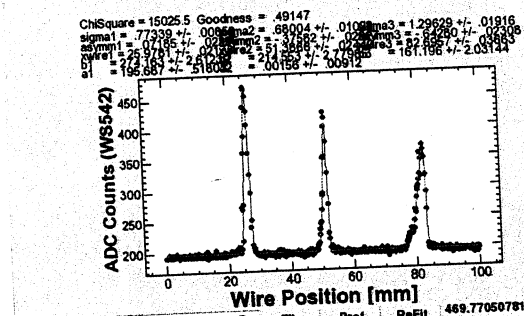


996.068
12.869
6.9815E-9
109.299
22.063
1.5404E-7
2411.525

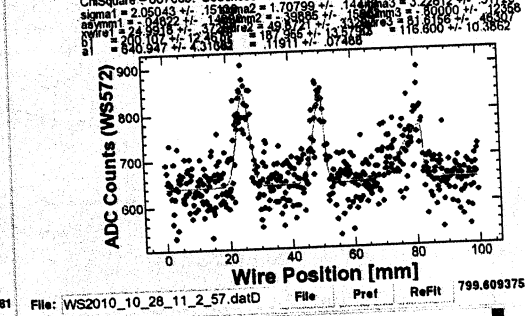
File: KBe\data\Raw\WS2010_10_28_1 File Pref ReFit 359.82421875 V 3082

File: WS2010_10_28_11_49.datC File Pref ReFit 699.659203125 V 2748

Wire B



Wire D



File: WS2010_10_28_11_0_33.datB File Pref ReFit 469.7705078125 V 2781

File: WS2010_10_28_11_2_57.datD File Pref ReFit 799.609375 V 2640

Select Matching zone on localhost:35.0

Calculate Optics

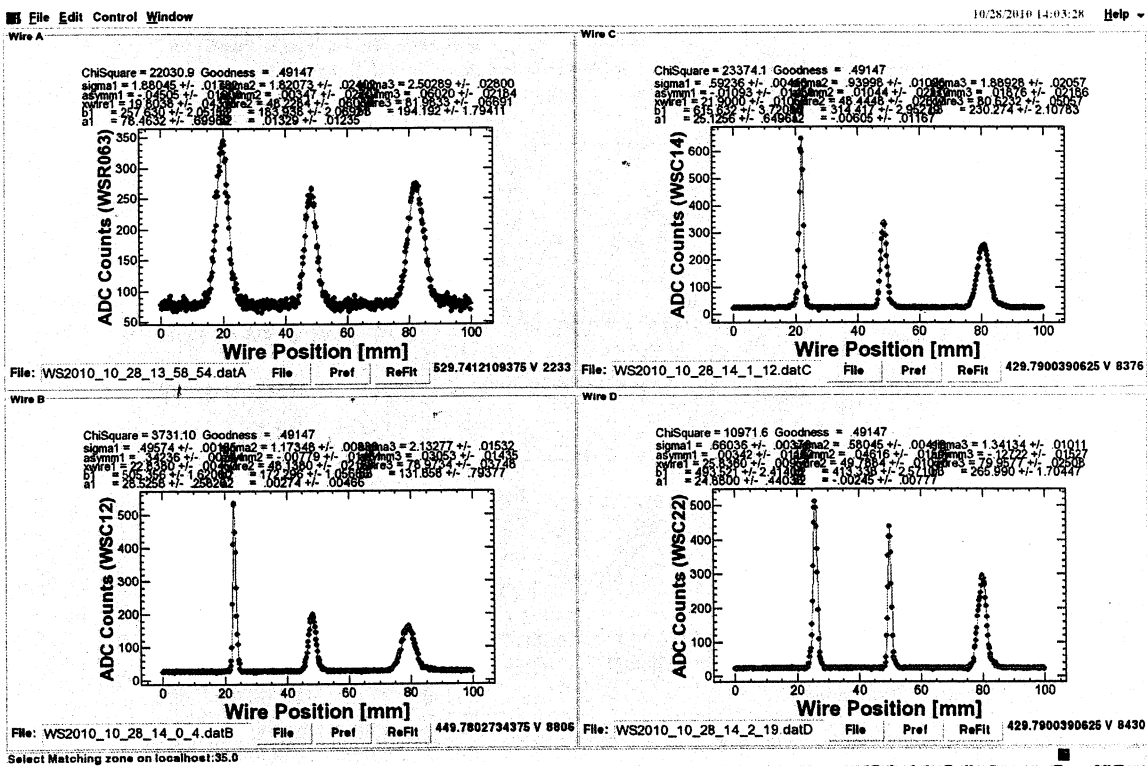
Save All Parameters

All informations are SAVED to /data1/KEKB/Wire/LINAC/sector5/KEKB/data/MatchResult/WSL5e_2010_10_28_11_6_25

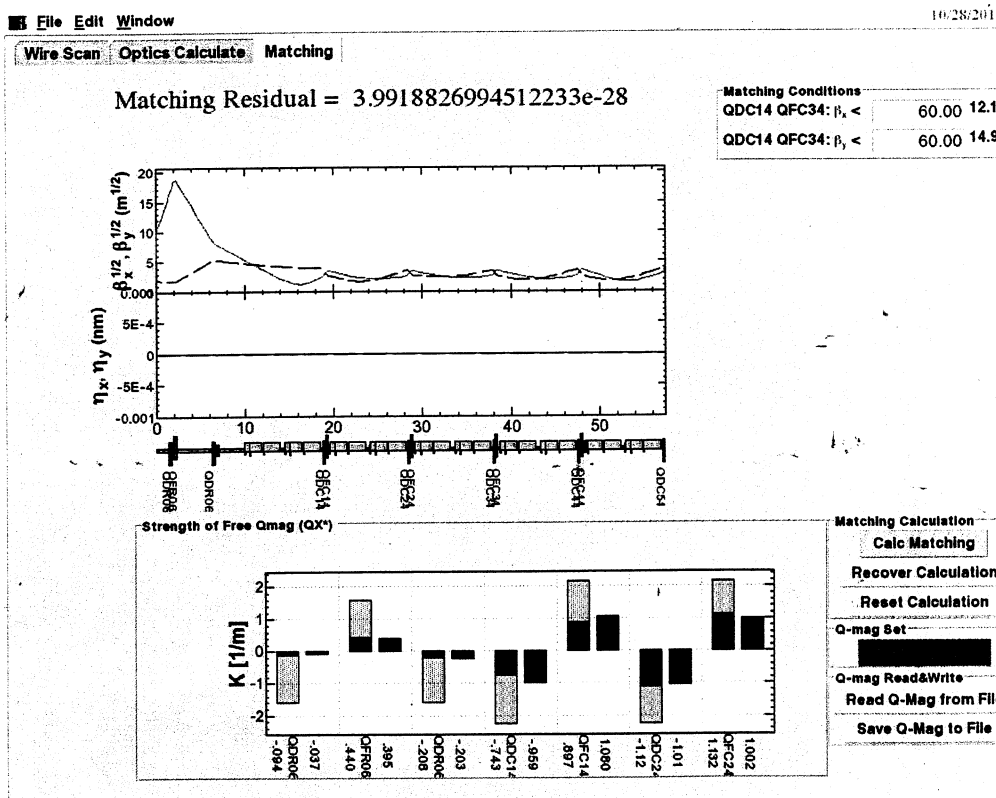
5e77-

共通 Optics 7/2/11 Inc 0-6 BT=data 4985.all
Wire Scanner 測定 (c77-)

14:03



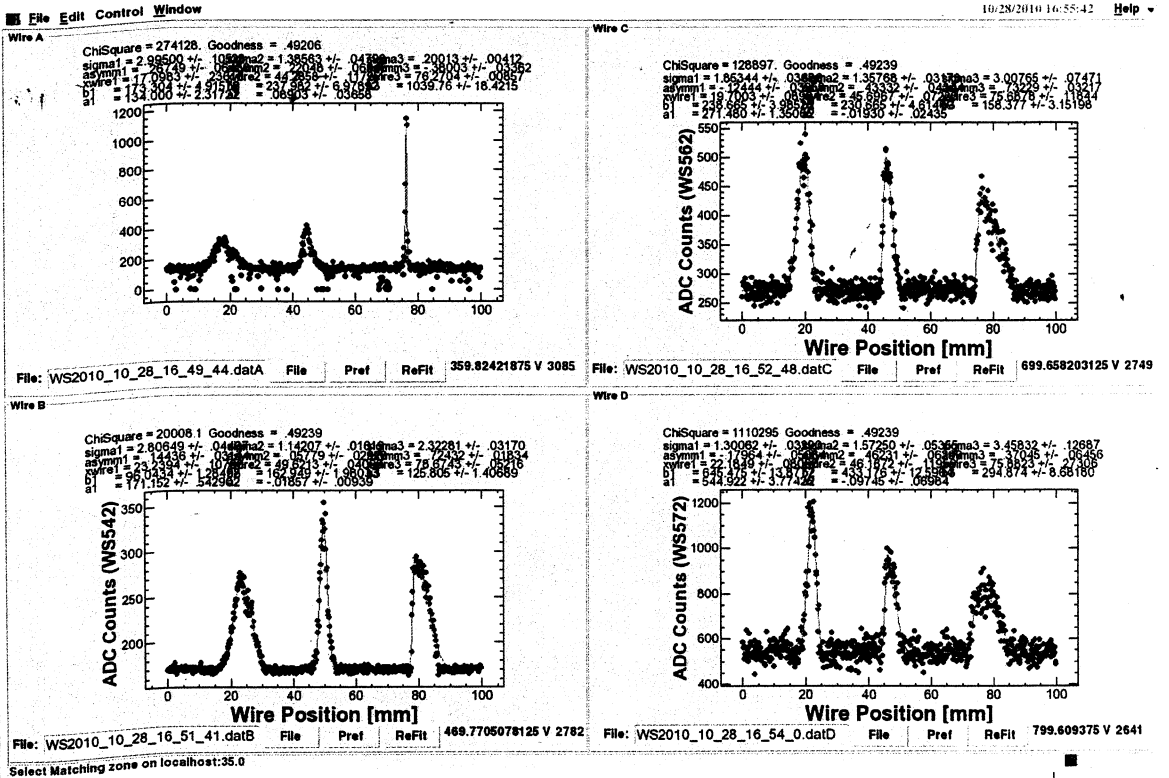
All informations are SAVED to /data1/KEKB/Wire/LINAC/sectorC/electron/data/MatchResult/WSLC_2010_10_28_14_3_40



16:55

- 過去のOptics設定(大西氏)
- A279-の4-wire Optics
- STC調整

5279 -
Wire
Scanner



File Edit Window 10/28/2010 16:55:50 Help

Wire Scan Optics Calculate Matching

X phase space at Wire A X phase space at Matching Point

Y phase space at Wire A Y phase space at Matching Point

β_x @BM611E [m] :	15.478	β_x @BM611E [m] :	557.417
α_x @BM611E :	557	α_x @BM611E :	2.856
r_x [m] :	5.4064E-8	r_x [m] :	8.0997E-9
γ_x [r.mm.mrad] :	846.398	γ_x [r.mm.mrad] :	126.805
Bmag x :	1.119	Bmag y :	10.806
ϵ Bmag x :	6.0509E-8	ϵ Bmag y :	8.7527E-8
γ Bmag x :	947.309	γ Bmag y :	1370.286

Optics Plot

Wire Selection
 3-wire:ABC 3-wire:ABD 3-wire:ACD 3-wire:BCD
 4-wire:ABCD

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

Calculate Optics Save All Parameters

Omega values were SAVED to Adata1/KEKB/Wire/LINAC/sector5/KEKB/data/Qvalue/qname_2010_10_28_16_49_7.dat0



21:28

Optics 終了 Sabot 実行

(3e79-以降
45° phase advance)

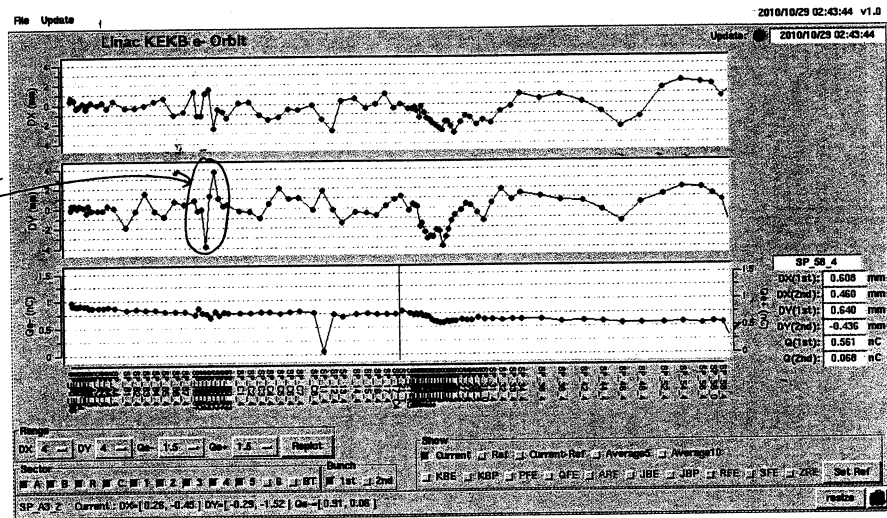
8 GeV 2 Wire スタート-測定

Cセクタ-以降を ACC → STB スタート. \wedge
 kebbe-pf.sad 11°に ACC → STB ALL 12 L2 QE 終了
 スタート 90°の時は通さず. Qもマニプルを変更した.
 1.7 GeV 2 Wire スタート-測定

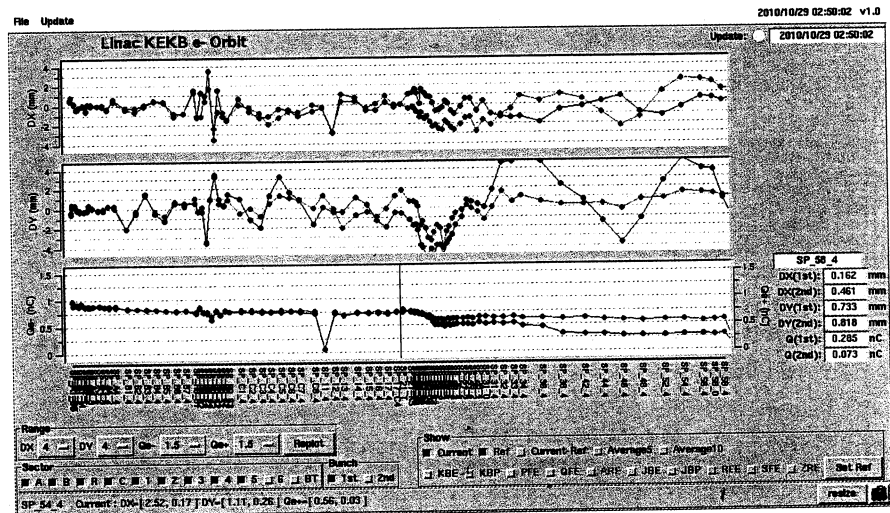
	Cセクタ-	5セクタ-	5e9/5sec
1.7 GeV	γE_x γE_y	$\gamma E_x = 190.655$ $\gamma E_y = 158.531$	
8 GeV	$\gamma E_x = 52.731$ $\gamma E_y = 170.309$	$\gamma E_x = 78.796$ $\gamma E_y = 230.054$	1.4943 1.3508

02:48 1.7GeV(BT:data4995.all, C~5 セクタ KLY STB)
 Dispersion 測定 (Energy Knob r0_kbe を調整し、2 セクター以降のロス进行调查)

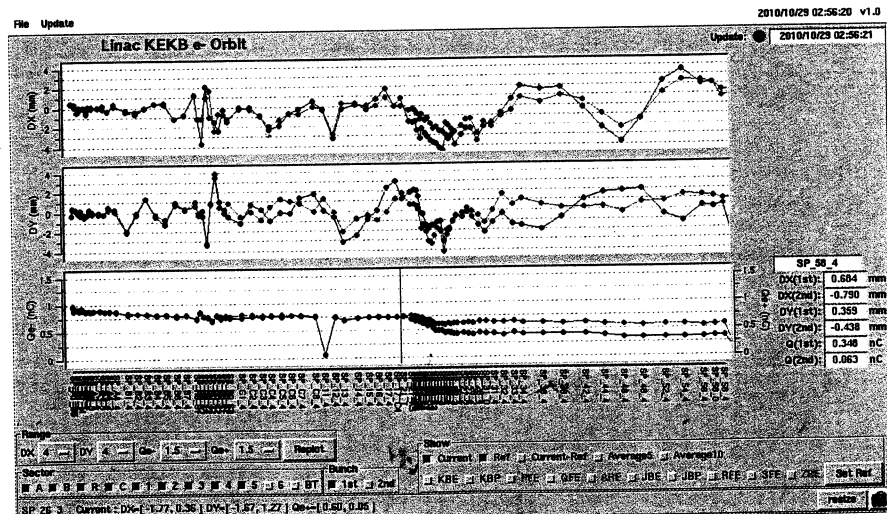
J-ARC2
 DY 測定
 skew 成る



Energy Knob(r0_kbe) = 1.6014 (元)

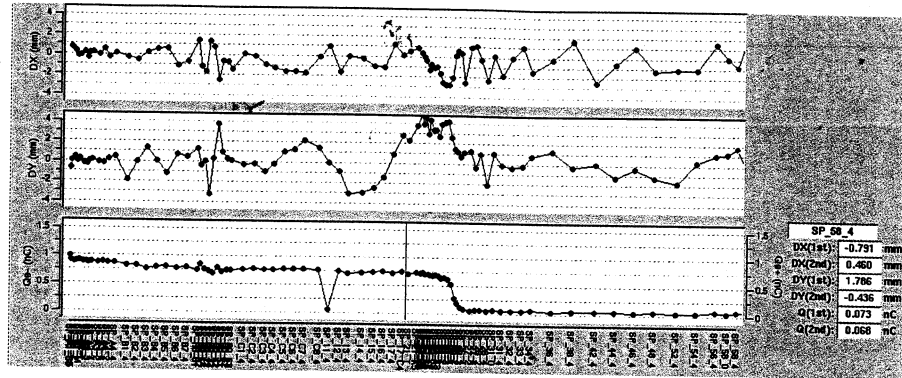


Energy Knob(r0_kbe) = 1.6065

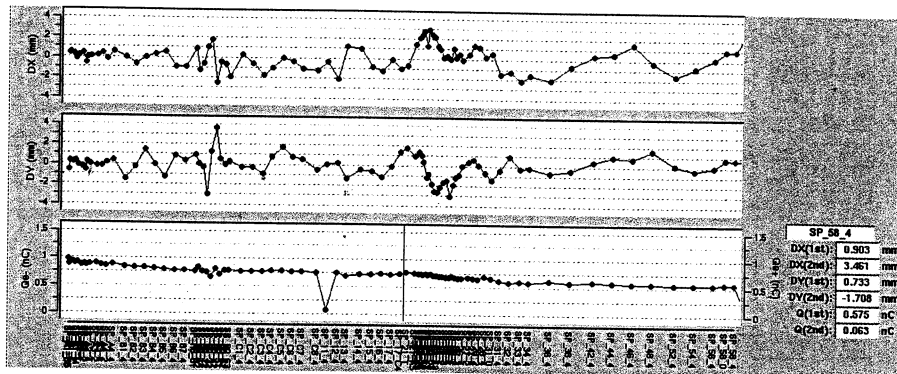


Energy Knob(r0_kbe) = 1.5957

03:01 C~5 セクター先頭の2台の KLY 位相を Off Crest にしてチャージロスがない状態を調査。
 KL C1,C2 STB → ACC



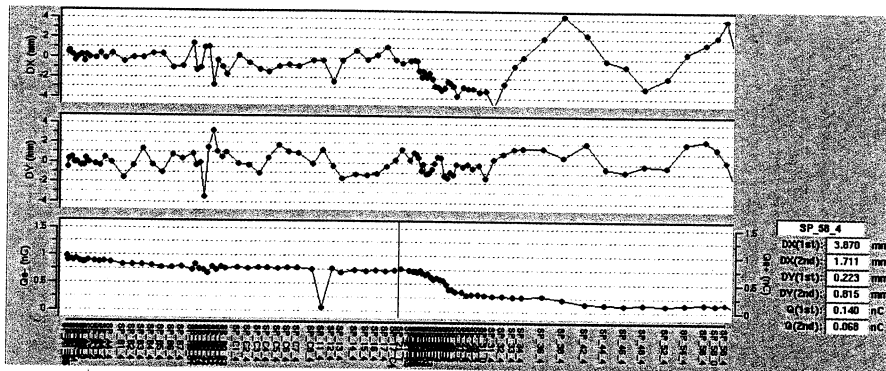
調整前



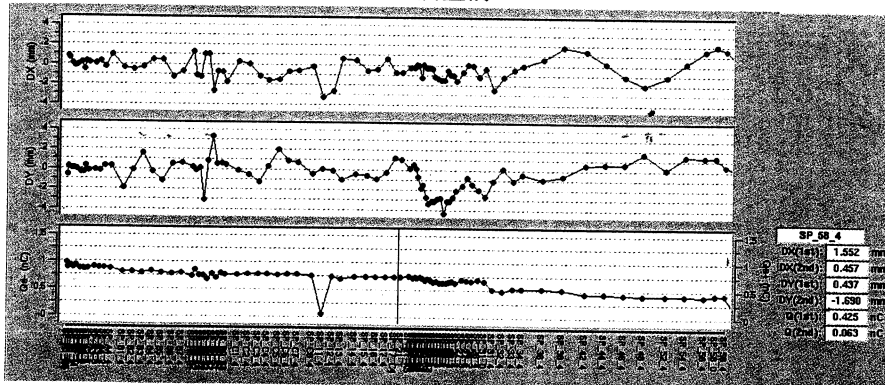
調整後

KL_C1 φ 277.5° → 367.5° (+90°)
 KL_C2 φ 339.5° → 249.5° (-90°)

KL 11,12 STB → ACC



調整前



調整後

KL_11 φ 221.0° → 131.0° (-90°)
 KL_12 φ 110.0° → 200.0° (+90°)