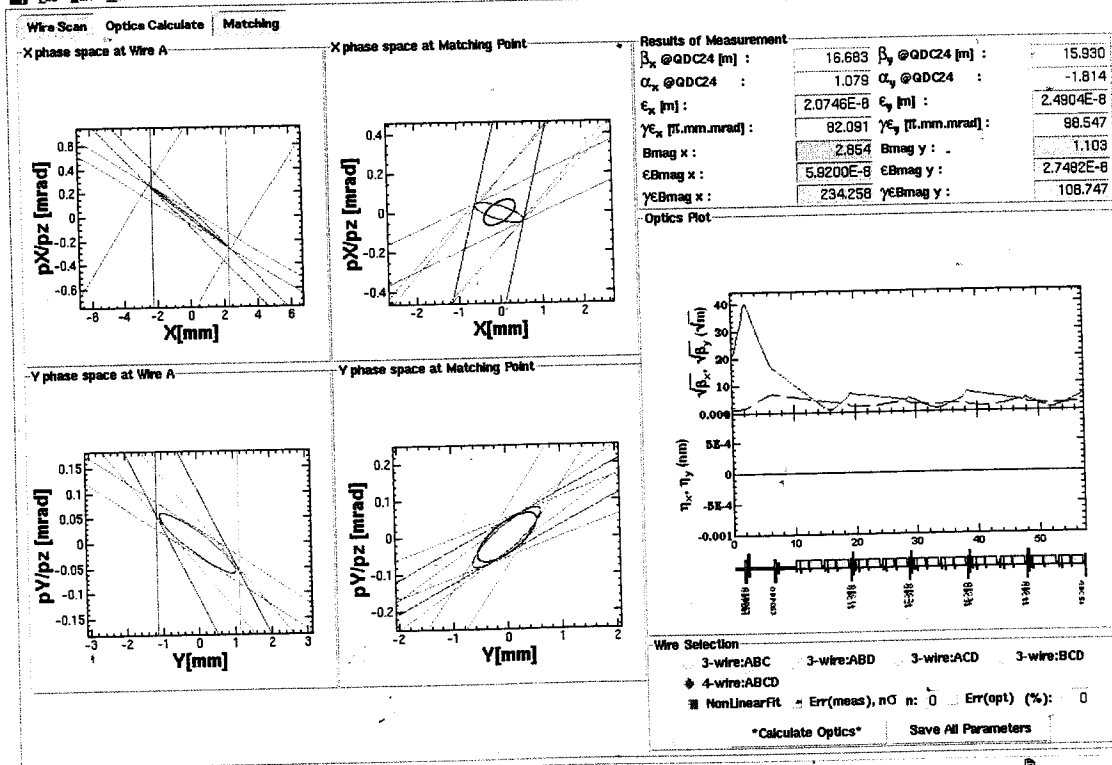
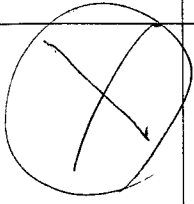


Main Application Area



All informations are SAVED to fdata1/KEKB/Wire/LINAC/sector/CElectron/data/MatchResult/WSLC\_2009\_3\_11\_13\_16\_32

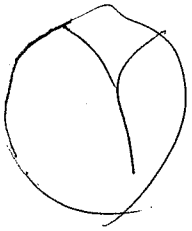
2009/03/11 A shift C-Sec e- 10Hz 1st 水川



BX-17-42

3A	→	SP-21-T-X 4.5mm
0A	→	1.0mm
-3A	→	-3.0mm

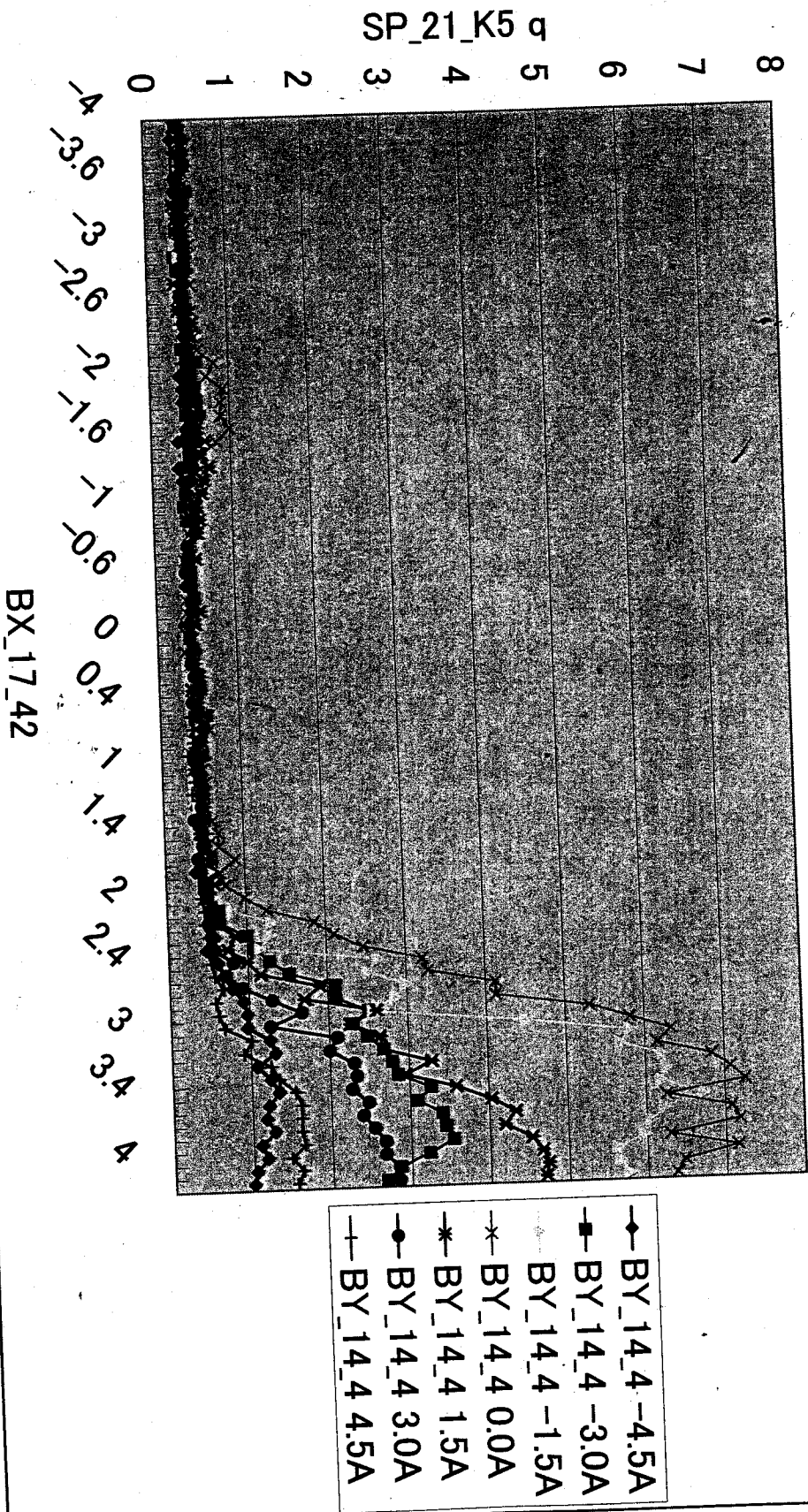
BY-17-C1 (抄本) 5h02



BY-17-9

3A	→	1.0
0A	→	-0.5
-3A	→	-2.0

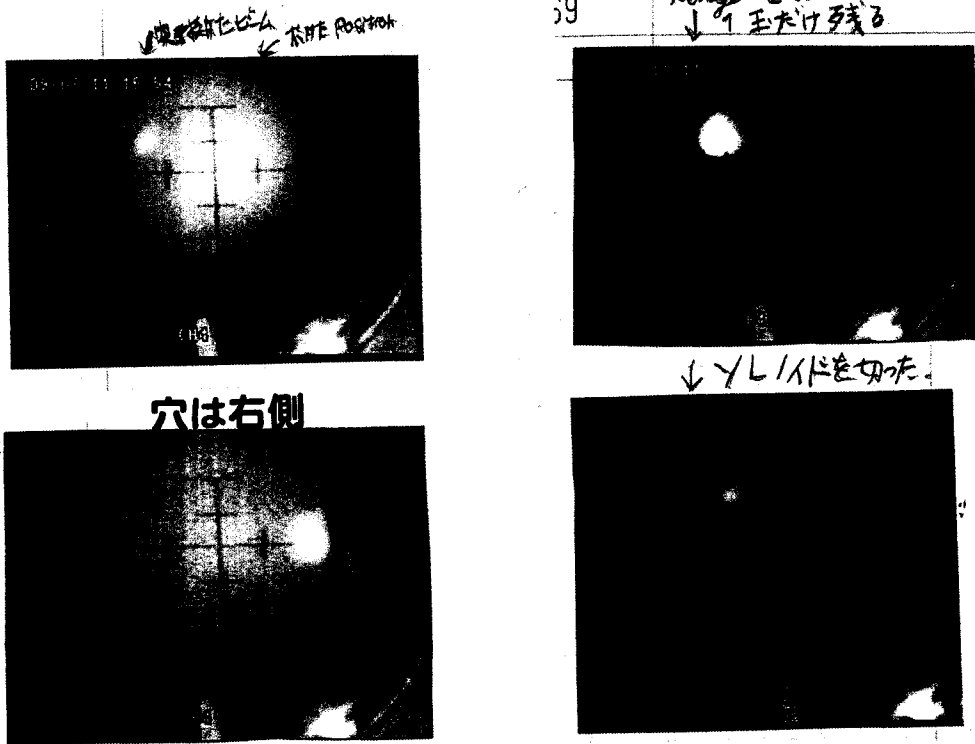
Simple Correlation (BX\_17\_42 vs. SP\_21\_K5 q)



陽電子ビーム調整@3リング共通パラメータ

予定 ✓① ターゲットを貫通した1次ビームを見て  
ターゲットの状態確認

はじまり



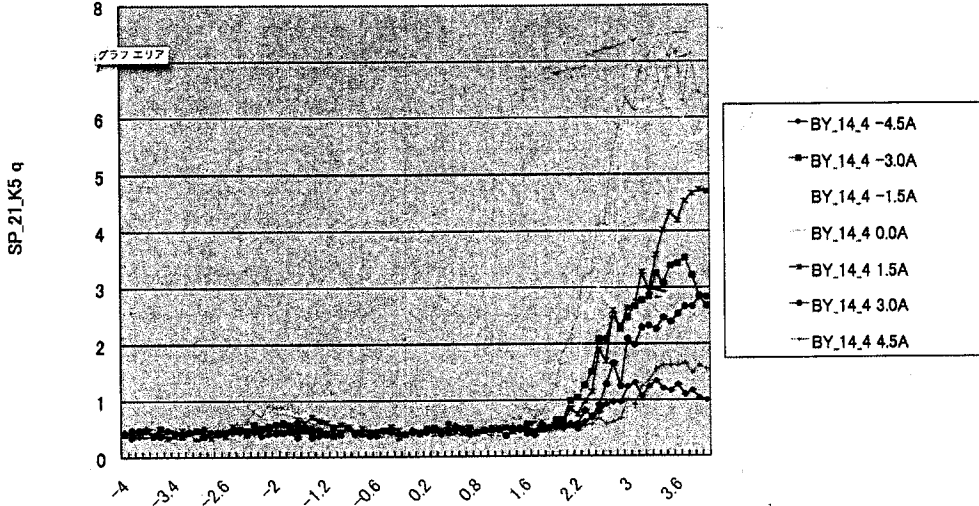
Radiation Length は

	Interaction Length $\lambda_i$		Radiation Length $X_0$	
	[g/cm <sup>2</sup> ]	[cm]	[g/cm <sup>2</sup> ]	[cm]
Tungsten 1)	185	9.58	6.76	0.35
Tungsten 2)	185	9.58	6.76	0.35
Scinti	83	79.1	44	43
Copper	135	15.1	12.86	1.43

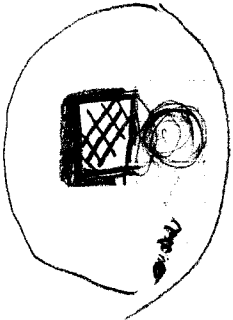
# 1次ビームのターゲット 貫通電流スキャン

Simple Correlation (BX\_17\_42 vs. SP\_21\_K5 q)

( SP\_21\_T(Y)/BY\_14\_4 = 0.5 mm/A )

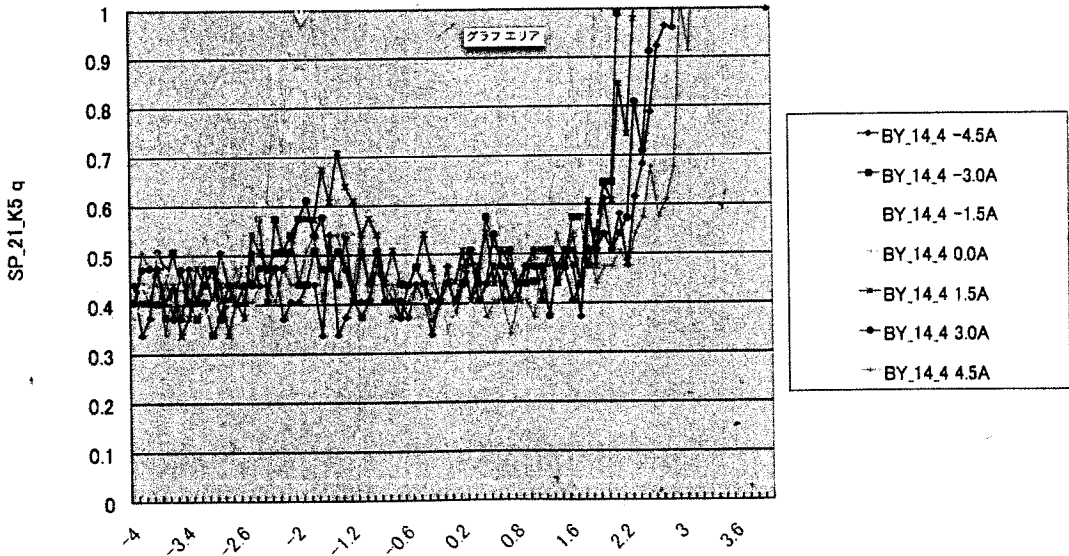


( SP\_21\_T(X)/BX\_17\_42 = 1.25 mm/A )



## この穴は何でしょうか？

Simple Correlation (BX\_17\_42 vs. SP\_21\_K5 q)



BX\_17\_42

09/3/12

前日の吉田氏のstrayにより。  
e+ target が破損している可能性があった。176

◎ 3リング同時入射の parameter 作り

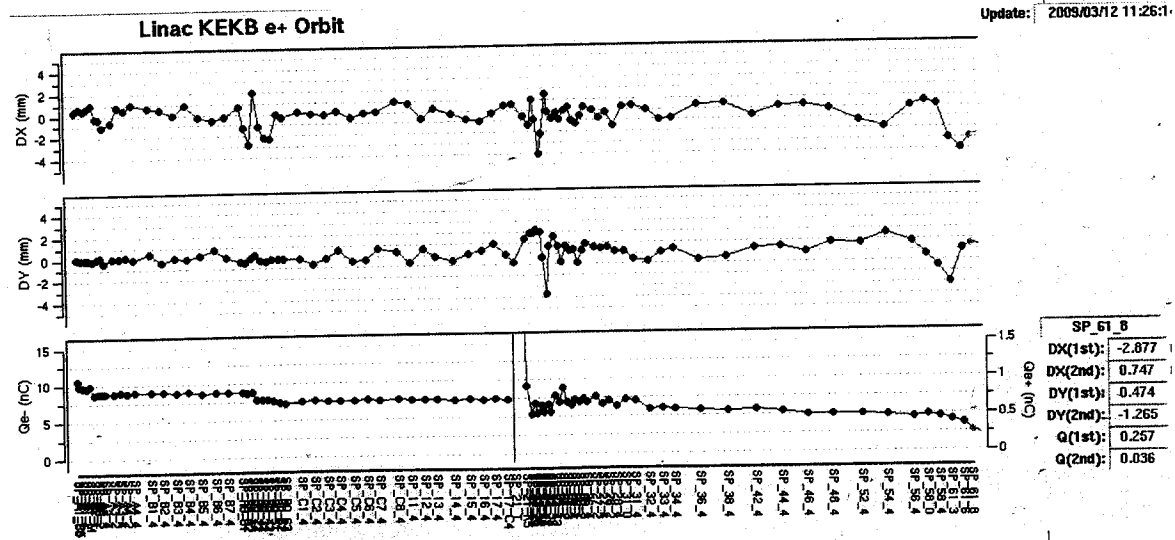
- e+ の軌道を調整
- e- " pulse st. で調整
- PF " " "

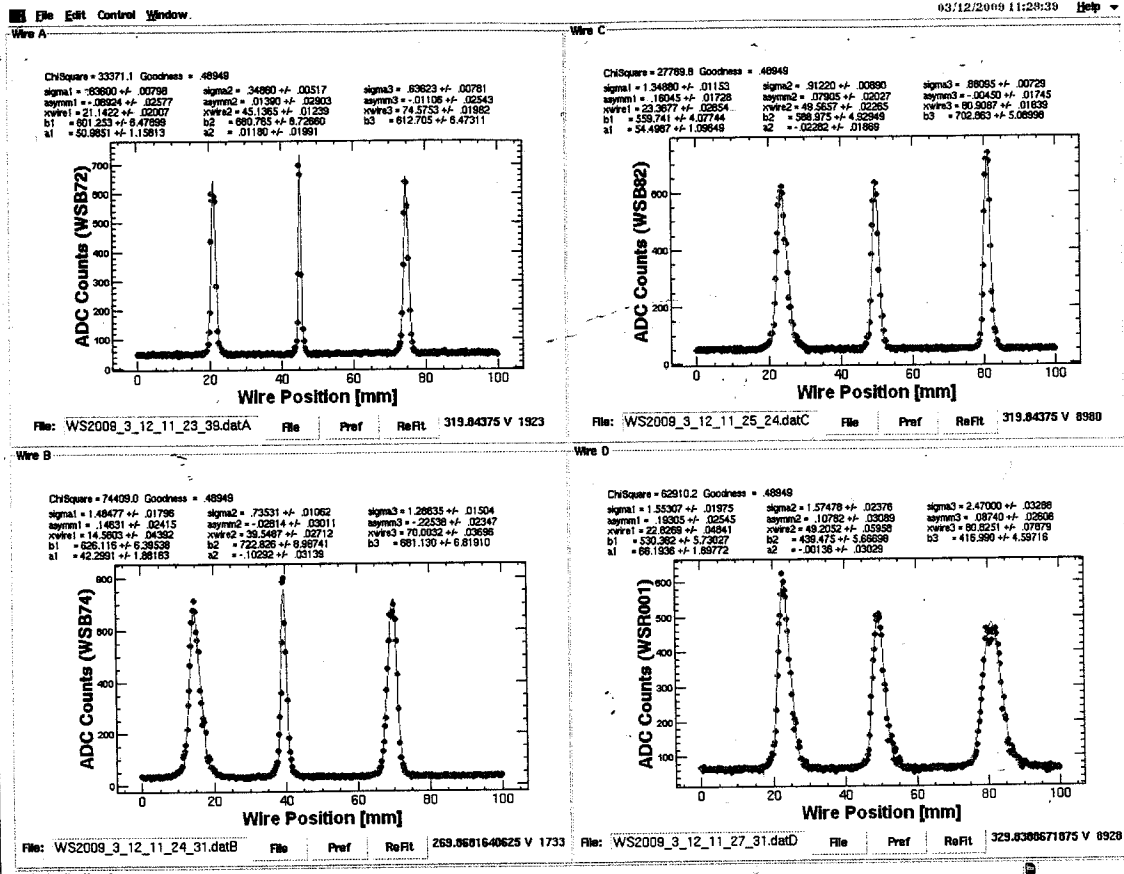
" 20090312-14:41:14" (Q)    1=save  
 " 20090312-14:41:15" (St)

LER で 5079-Matching 後 (P.158)  
 QD564  $\epsilon$  0.532 倍    QF564  $\epsilon$  0.556 倍 (=LT=0)  
 QD584                    QD584

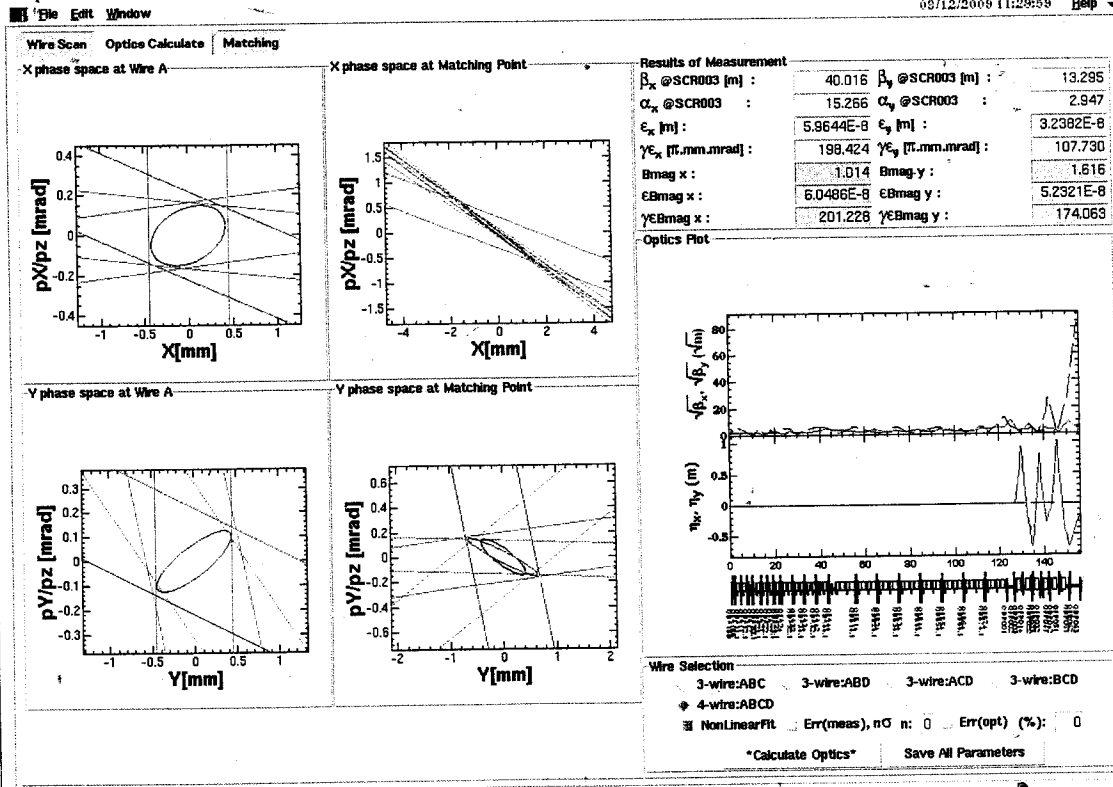
pulse st. HER  
 20090312-122334.log

LER 軌道調整後

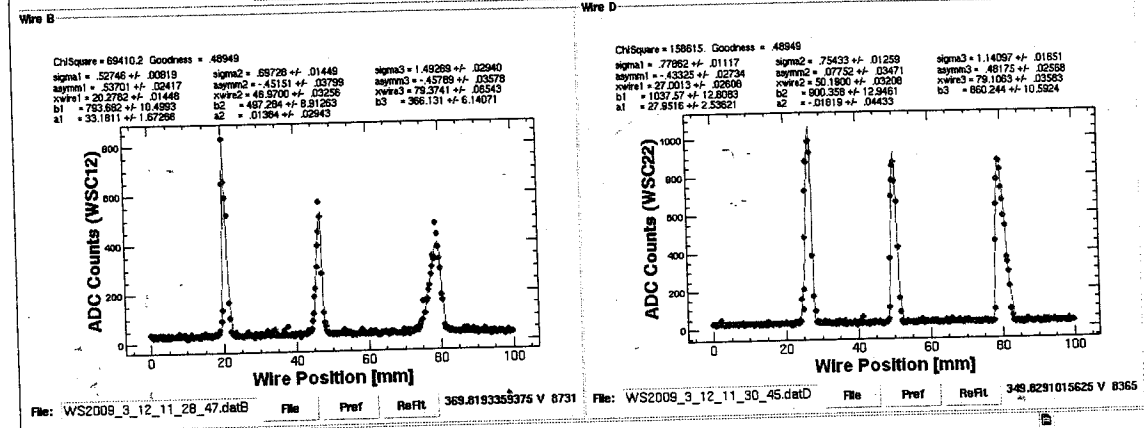
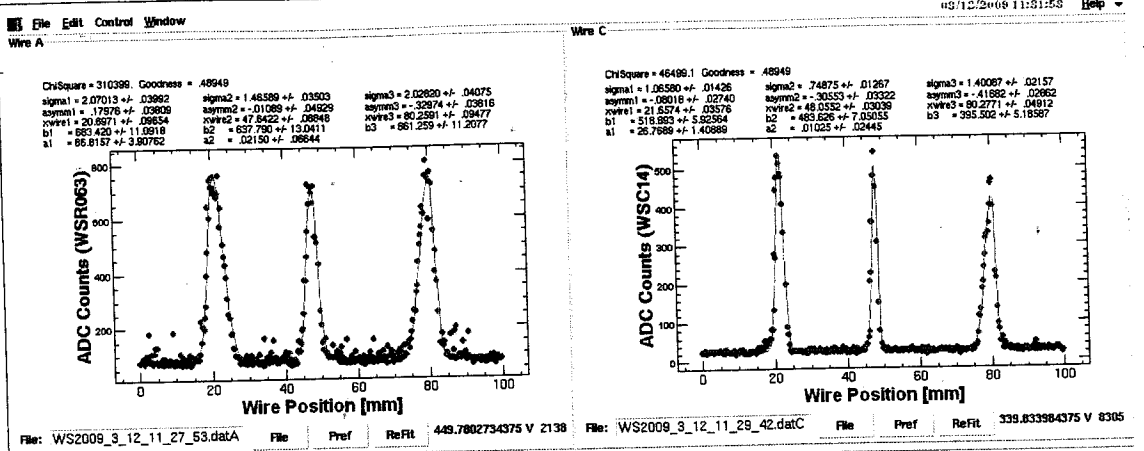




Main Application Area



All informations are SAVED to /data1/KEKB/Wire/LINAC/sectorB/positron/data/MatchResult/WSLB\_2009\_3\_12\_11\_26\_24



09/12/2009 11:32:22 Help

File Edit Window

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

Results of Measurement

$\beta_x$ @ QDC24 [m] :	4.867	$\beta_y$ @ QDC24 [m] :	16.144
$\alpha_x$ @ QDC24 :	-0.682	$\alpha_y$ @ QDC24 :	-1.029
$\epsilon_x$ [m] :	5.9613E-8	$\epsilon_y$ [m] :	7.3136E-8
$\gamma_{\epsilon_x}$ [r.mm.mrad] :	235.990	$\gamma_{\epsilon_y}$ [r.mm.mrad] :	289.403
Bmag x :	1.100	Bmag y :	1.099
EBmag x :	6.5572E-8	EBmag y :	8.0355E-8
$\gamma_{EBmag x}$ :	258.472	$\gamma_{EBmag y}$ :	317.969

Optics Plot

Wire Selection

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

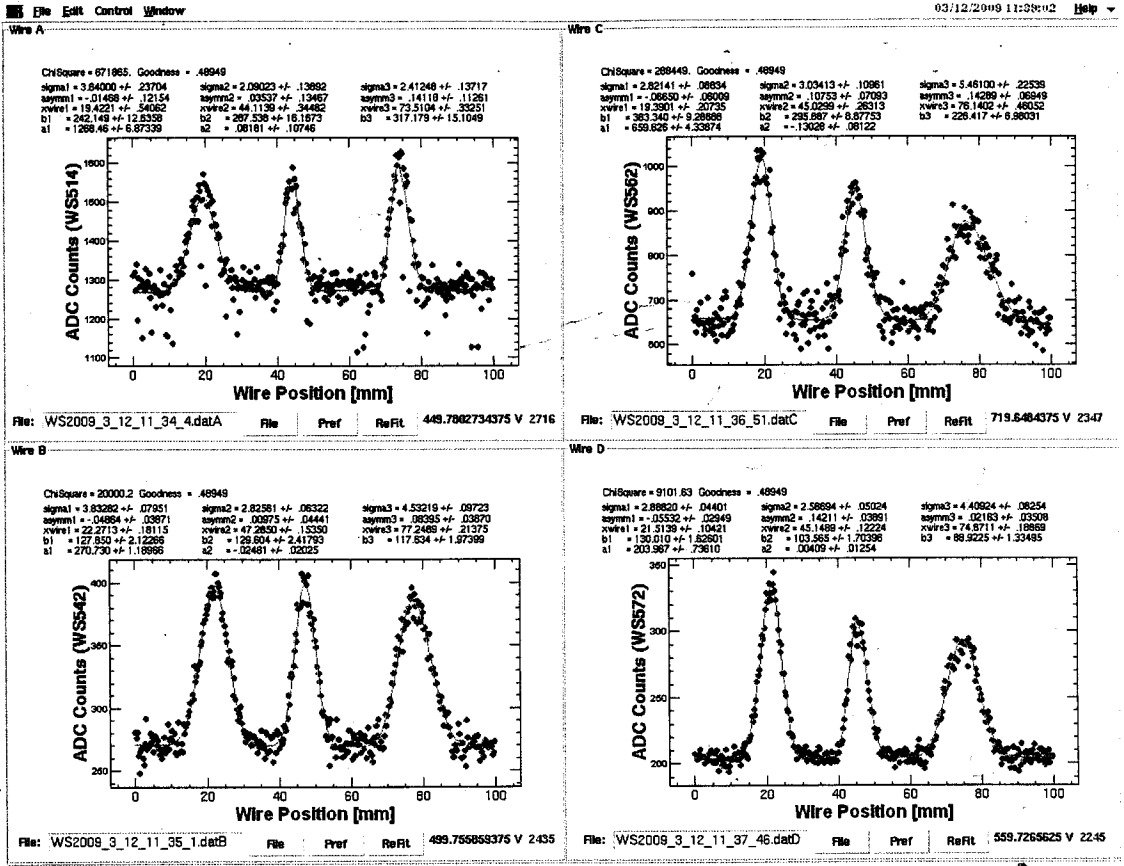
4-wire:ABCD

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

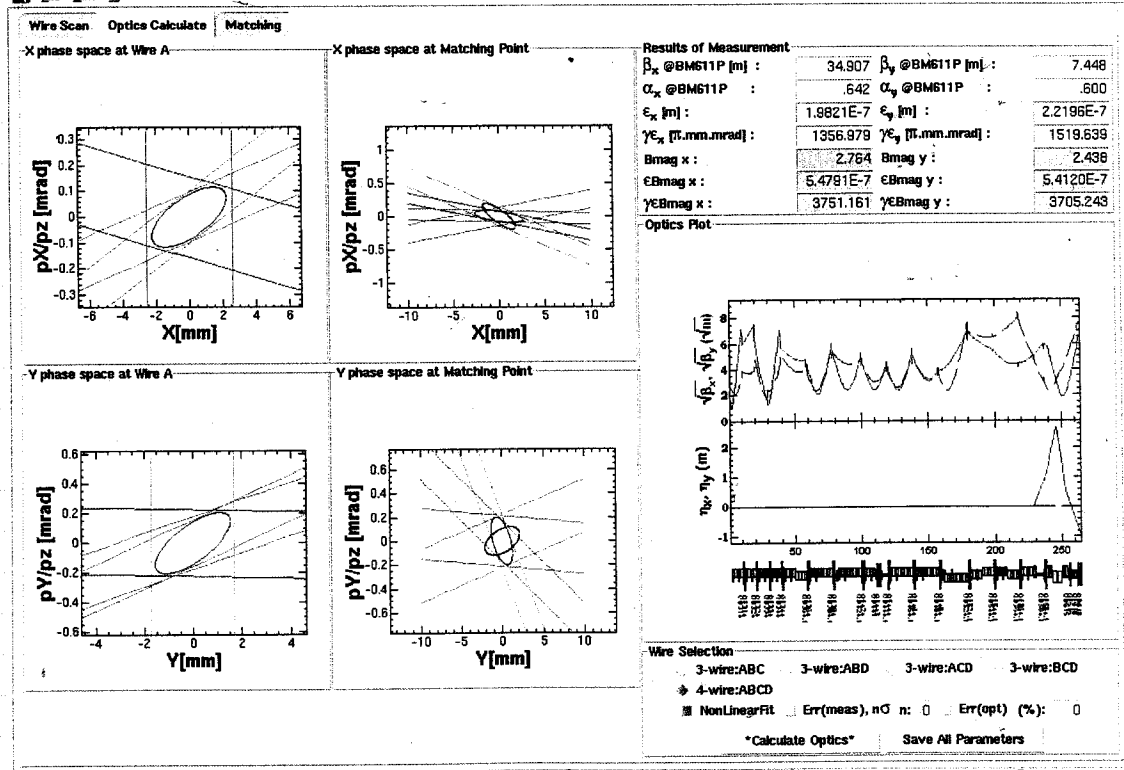
\*Calculate Optics\*    Save All Parameters

All informations are SAVED to /data1/KEKB/Wire/LINAC/sectorC/positron/data/MatchResult/WSLC\_2009\_3\_12\_11\_31\_39





Main Application Area

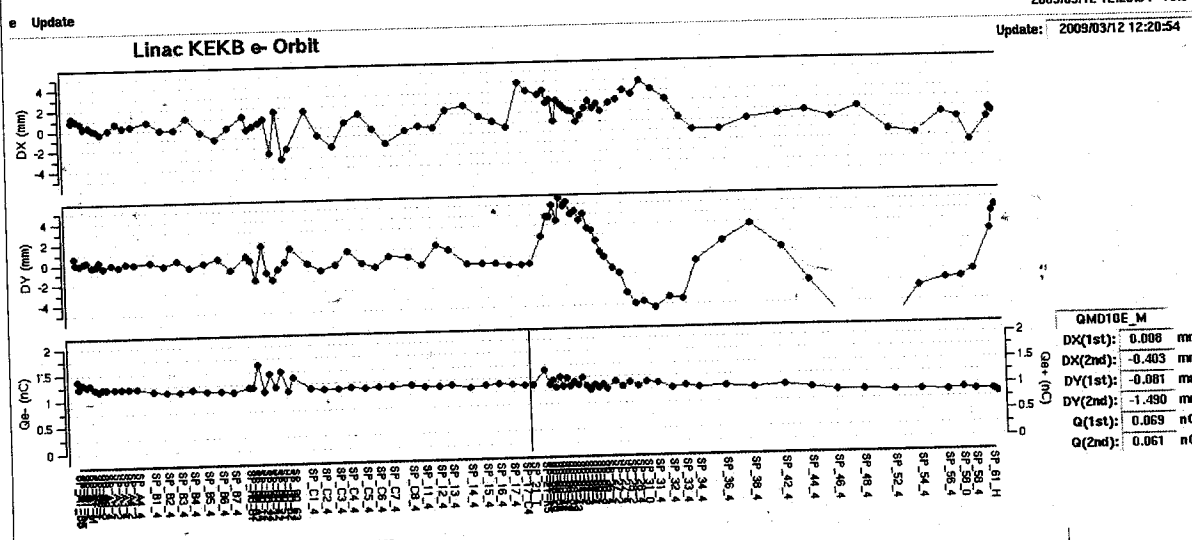
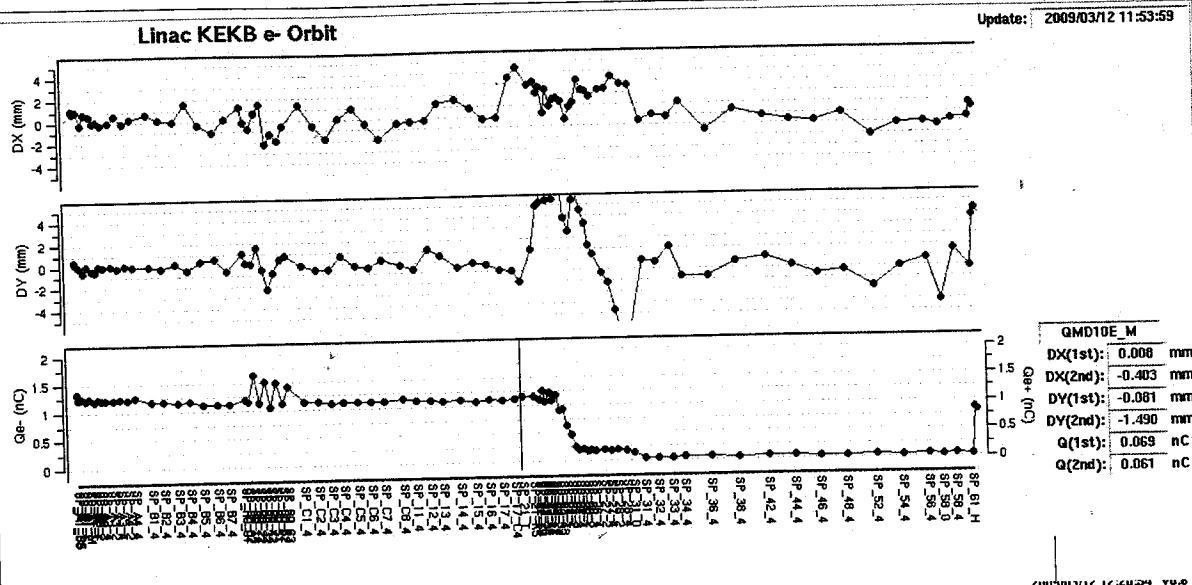


All informations are SAVed to AdatA1/KEKB/Wire/LINAC/sectors/KEKBp/data/MatchResult/WSL5p\_2009\_3\_12\_11\_39\_19

2009/03/12 A shift 5-Sec e+ 10Hz 1st 水川  
 OETA が 半分の 10V. Bmag は 悪い.

# HER 軌道

780



↑  
 Pulse Steering 調整後  
 "20090312-122334.log"