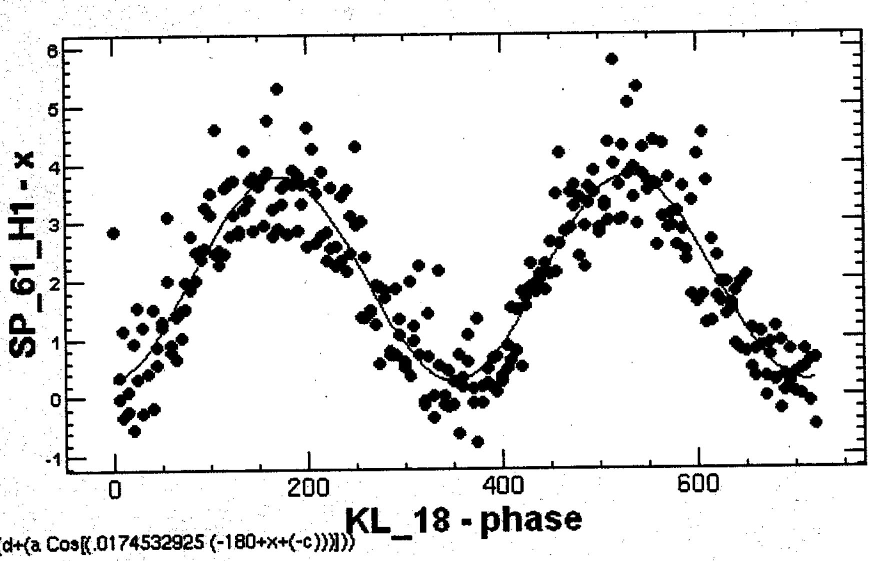
51

Edit Window 02/03/2009 17:09:11 Help

e = 125.400 Goodness = .48890

49 +/- .05472 c = 170.357 +/- 1.79811 d = 2.02506 +/- .03882



= (d+(a Cos[(.0174532925 (-180+x+(-c))])))

SP_61_H1 on 172.19.66.32:0.0

3701にset

パルス幅を広げた後 測定 1.5 → 1.75 振幅

Vertual 用 HVは
RFのタイミング. ver KL21_RF 動かす
⇓
KL_18のタイミングを動かす

KL_21
タイミングを変えて energy gainを変える

Delay を 3050 → 2800にset

5-8 0.7 → set
0.78 set

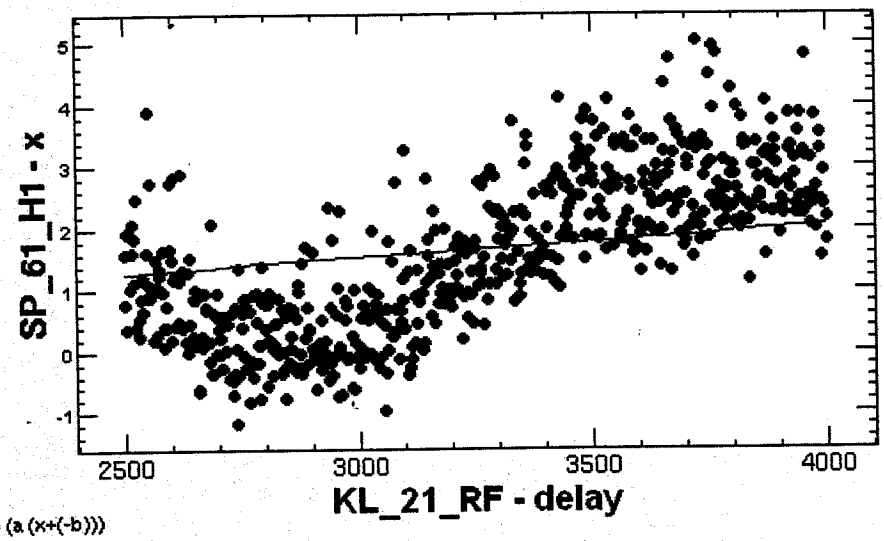
↓

3600
0.6

File Edit Window 02/03/2009 17:51:56 Help

ChiSquare = 722.697 Goodness = .49232
a = 5.11E-4 +/- 1.03E-4 b = -3.9375 +/- 661.973

1st



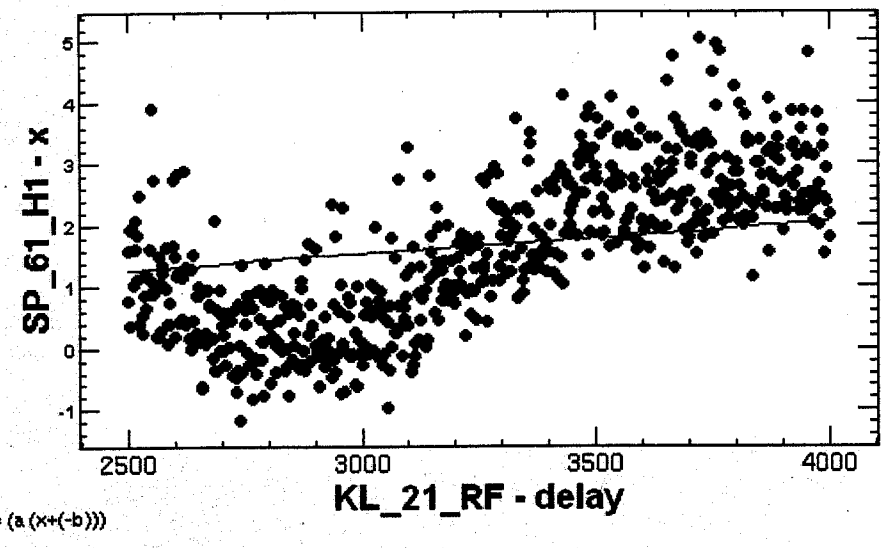
Function = (a (x+(-b)))

KL_21_RFvsSP_61_H1 on 172.19.66.32:0.0

File Edit Window 02/03/2009 19:00:39 Help

ChiSquare = 722.697 Goodness = .49232
a = 5.11E-4 +/- 1.03E-4 b = -3.9375 +/- 661.973

2nd



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

KL_21_RFvsSP_61_H1 on 172.19.66.32:0.0

18 の phase をふって. change 量を見る

phase は 0～720 160° → 135°.

21 の RF のタイミングをふる。 ⇒ 元値 変化なし

21 の phase をふる。 10 → 390 まで scan

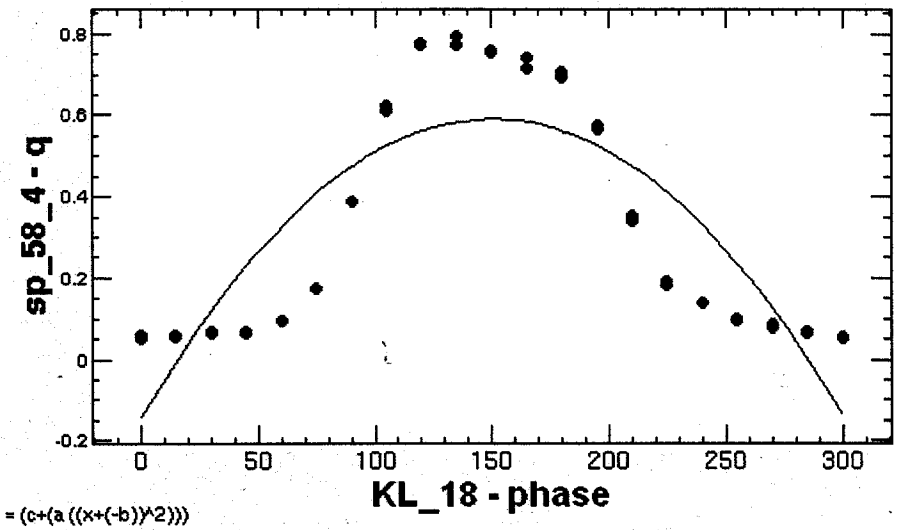
300° → 320 へ変更.

QD QF 2145 と (元値) QD QF 21K5 (元値) ⇒ マッチング用 Q 電磁石

File Edit Window 02/03/2009 19:30:01 Help

ChiSquare = 1.03165 Goodness = .46988

a = -3.2E-5 +/- 3.41E-6 b = 150.282 +/- 4.25348 c = .59127 +/- .03772



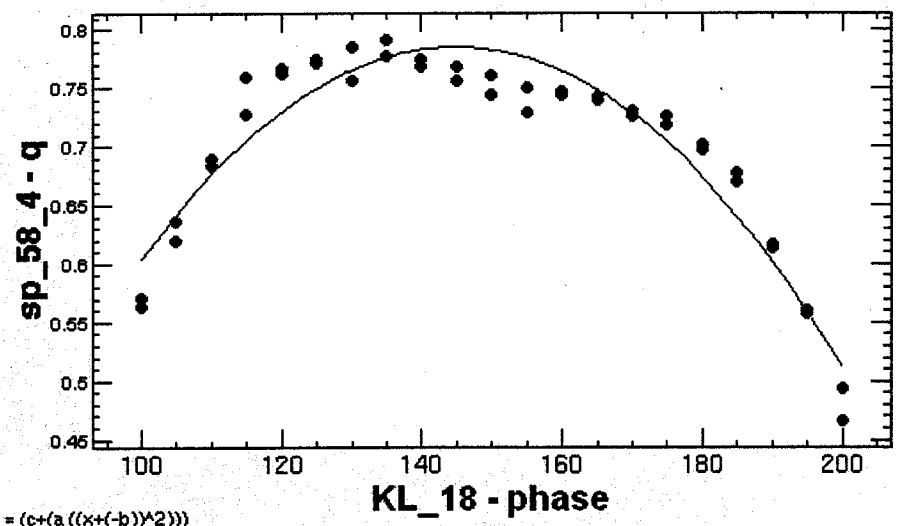
Function = (c+(a ((x+(-b))^2)))

KL_18vssp_58_4 on 172.19.66.32:0.0

File Edit Window 02/03/2009 19:35:22 Help

ChiSquare = .02543 Goodness = .46988

a = -9.0E-5 +/- 4.82E-6 b = 144.854 +/- .77488 c = .78515 +/- .00587



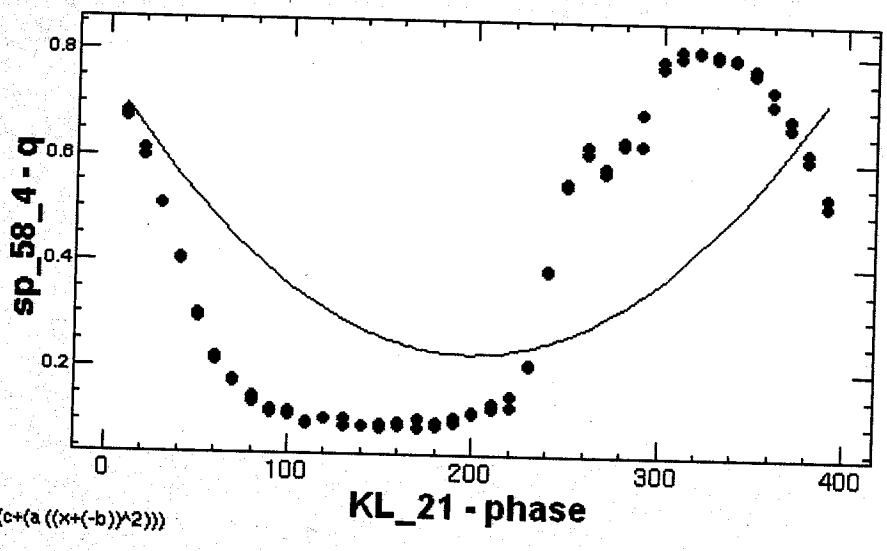
Function = (c+(a ((x+(-b))^2)))

KL_18vssp_58_4 on 172.19.66.32:0.0

File Edit Window 02/03/2009 19:00:52 Help

ChiSquare = 4.09975 Goodness = .47828

a = 1.32E-5 +/- 2.34E-6 b = 198.156 +/- 8.89480 c = .22896 +/- .03973



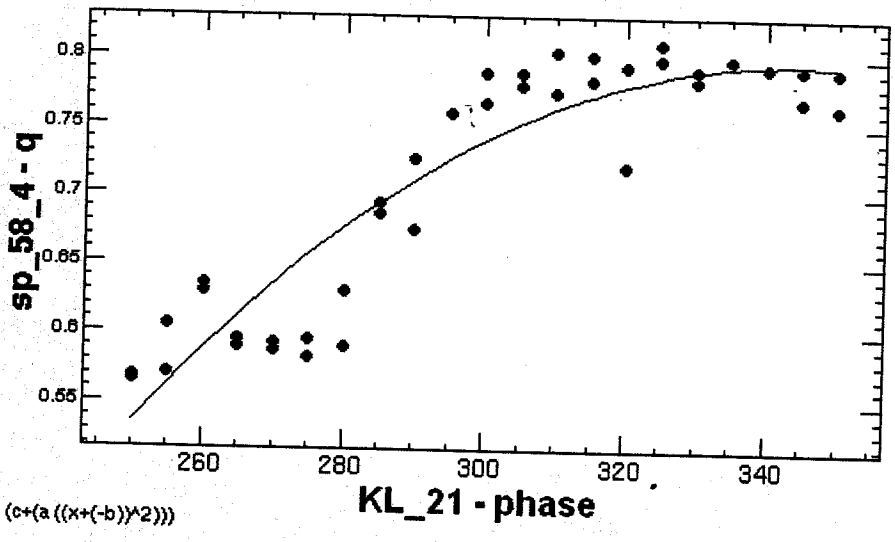
Function = (c+(a ((x+(-b))^2)))

KL_21vssp_58_4 on 172.19.66.32:0.0

File Edit Window 02/03/2009 19:03:34 Help

ChiSquare = .04941 Goodness = .46988

a = -3.0E-5 +/- 6.72E-6 b = 343.431 +/- 10.2763 c = .79579 +/- .01161



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

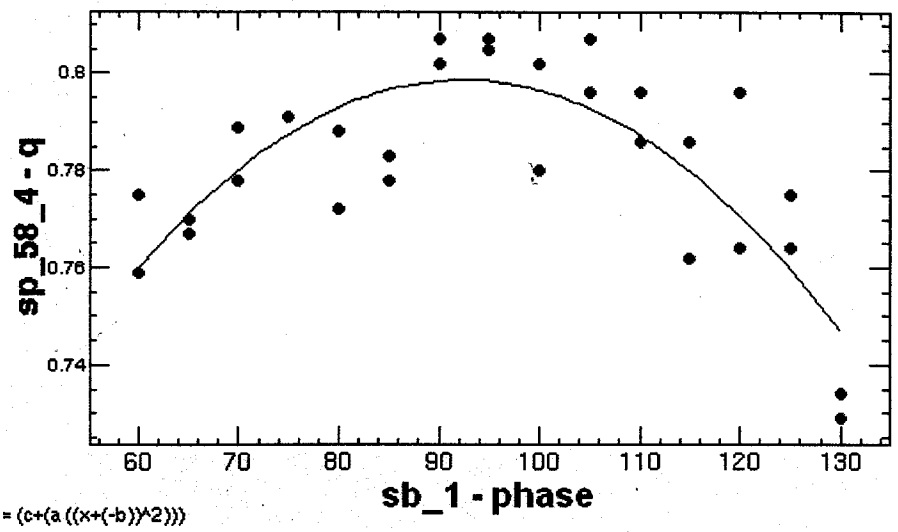
KL_21vssp_58_4 on 172.19.66.32:0.0

2h 2211 → QDC 10.42 → 11.5

sub booster の phase を ふる.

File Edit Window 02/03/2009 19:52:18 Help

ChiSquare = .00392 Goodness = .46379
a = -3.7E-5 +/- 5.30E-6 b = 92.4028 +/- 1.43898 c = .79865 +/- .00330



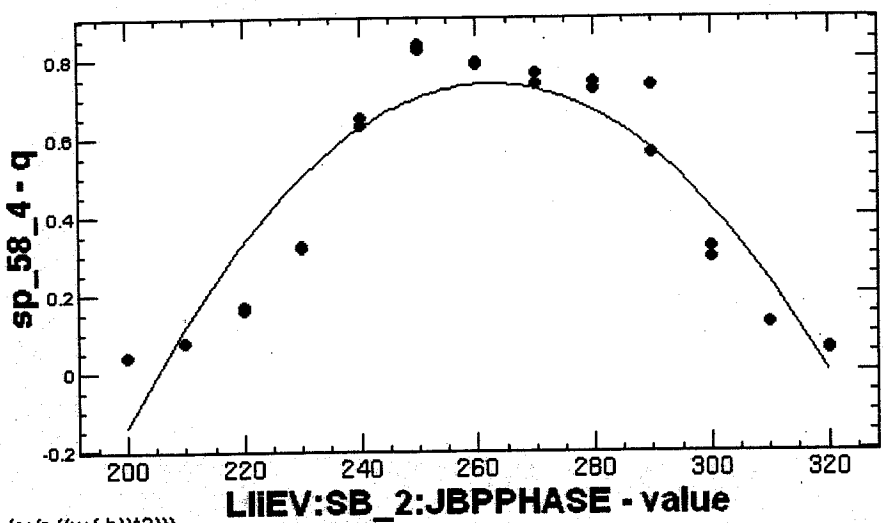
Function = (c+(a ((x+(-b))^2)))

sb_1vssp_58_4 on 172.19.66.32:0.0

~~元件~~
80 → 90

File Edit Window 02/03/2009 20:14:41 Help

ChiSquare = .32203 Goodness = .46077
a = -2.2E-4 +/- 1.87E-5 b = 262.415 +/- 1.40018 c = .73487 +/- .03493



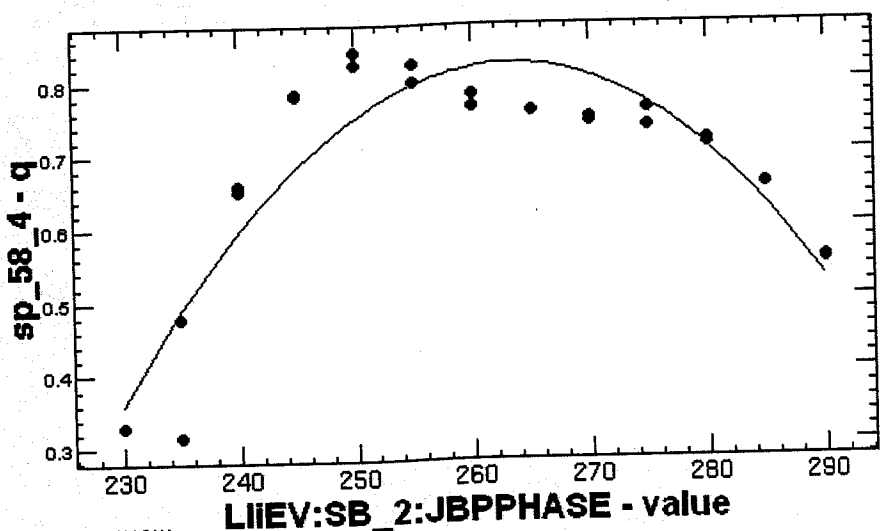
Function = (c+(a ((x+(-b))^2)))

LIIEV:SB_2:JBPPHASEvssp_58_4 on 172.19.66.32:0.0

255 → 250

File Edit Window 02/03/2009 20:17:55 Help

ChiSquare = .09741 Goodness = .46077
a = -4.2E-4 +/- 4.11E-5 b = 263.297 +/- .87641 c = .82370 +/- .01904



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

LIIEV:SB_2:JBPPHASEvssp_58_4 on 172.19.66.32:0.0

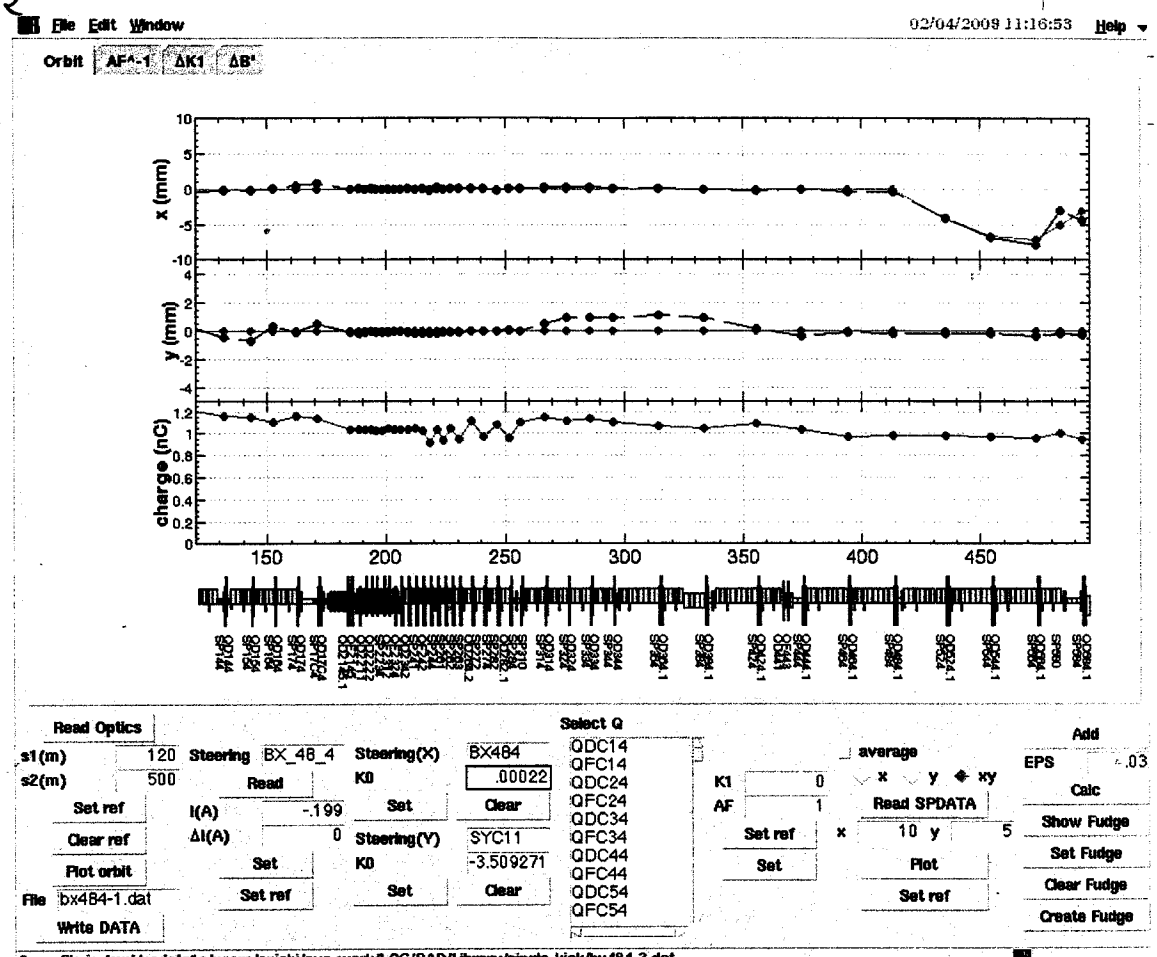
ターゲット直前 BX_IN_C5 } を変えて、ターゲットに
BY_IN_C5 あてるpositionを変える

BX_IN_C5 −1.2 → −1.2 元値
BY_IN_C5 −1.675 → −1.57

P.44977

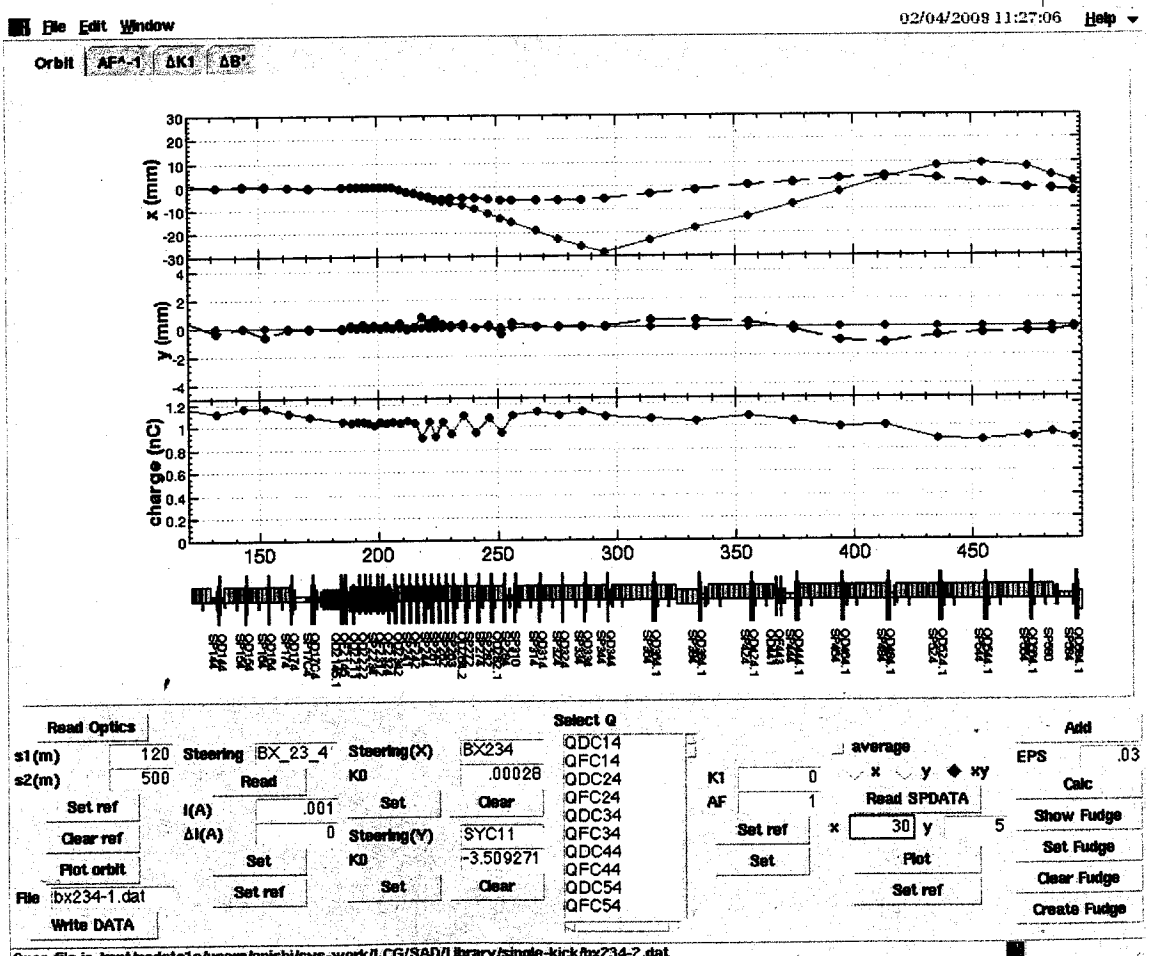
BX484

ΔI { +0.5A
-0.3A



BX234

ΔI { +1.2A
-1.2A

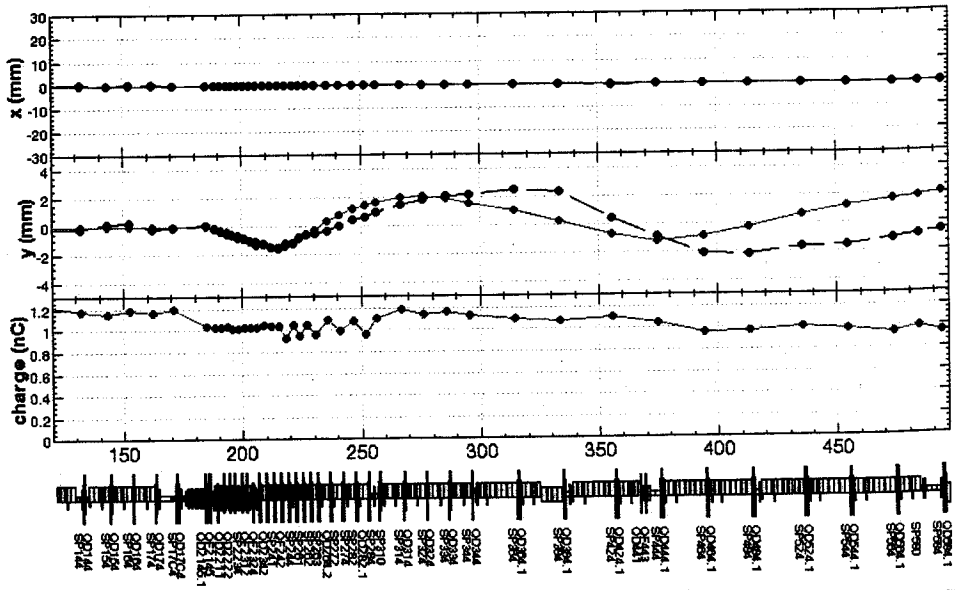


BY21K5

{ +3 A
  -0.5 A

File Edit Window 02/04/2009 11:36:23 Help

Orbit AF^-1 ΔK1 ΔB'



Read Optics
s1(m) 120 Steering BY_21_K5 Steering(X) BY21K5
s2(m) 500 Read K0 .00028
Set ref I(A) -4.499 Set Clear
Clear ref ΔI(A) 0 Steering(Y) BY21K5
Plot orbit Set K0 5e-05
File by21k5-2.dat Set ref Set Clear
Write DATA

Select Q: QDC14 QFC14 QDC24 QFC24 QDC34 QFC34 QDC44 QFC44 QDC54 QFC54

K1 0 AF 1 Set ref Set

average x y xy Read SPDATA x 30 y 5 Plot Set ref

Add EPS .03 Calc Show Fudge Set Fudge Clear Fudge Create Fudge

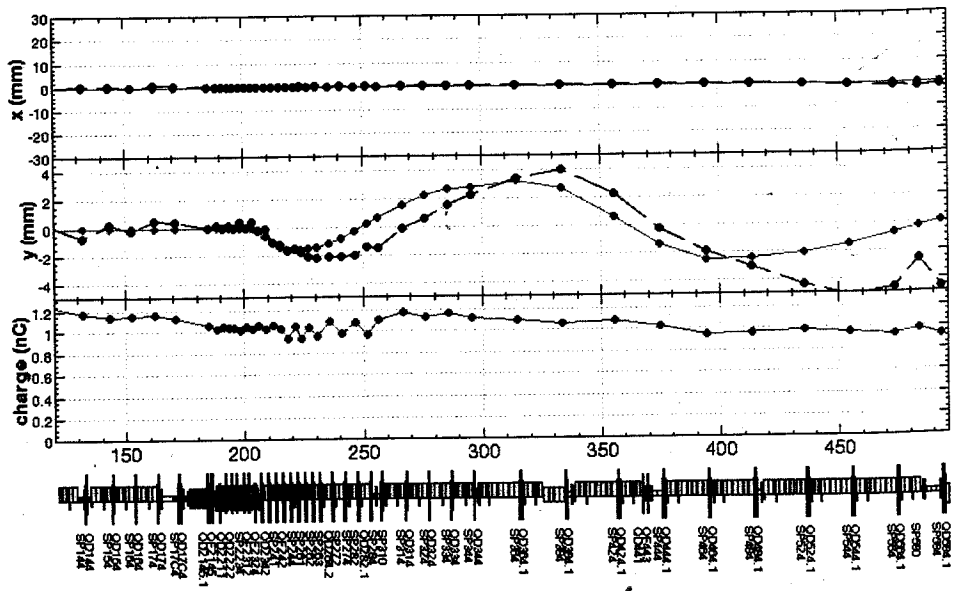
Open file is /mnt/nadata1a/users/onishi/cvs-work/LCG/SAD/Library/single-kick/by21k5-2.dat

BY34

{ -0.5 A
  -0.7 A

File Edit Window 02/04/2009 11:47:02 Help

Orbit AF^-1 ΔK1 ΔB'



Read Optics
s1(m) 120 Steering SY_23_4 Steering(X)
s2(m) 500 Read K0 .00028
Set ref I(A) .001 Set Clear
Clear ref ΔI(A) 0 Steering(Y) BY234
Plot orbit Set K0 .00014
File sy234-2.dat Set ref Set Clear
Write DATA

Select Q: QDC14 QFC14 QDC24 QFC24 QDC34 QFC34 QDC44 QFC44 QDC54 QFC54

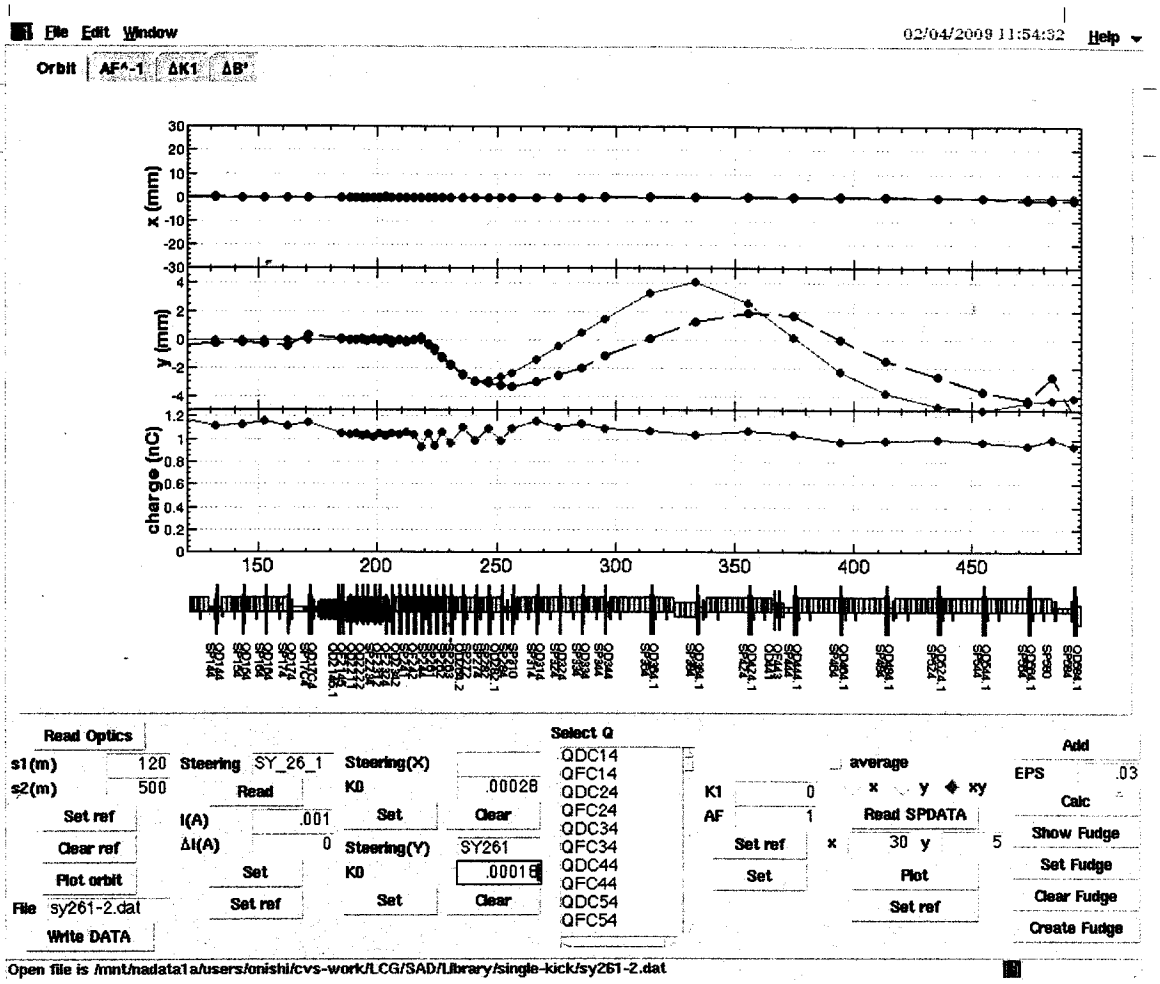
K1 0 AF 1 Set ref Set

average x y xy Read SPDATA x 30 y 5 Plot Set ref

Add EPS .03 Calc Show Fudge Set Fudge Clear Fudge Create Fudge

SY261

{ +4 A
{ −4 A



SY341

{ +2 A
{ −1.5 A