

F B ON

BX 17 C5

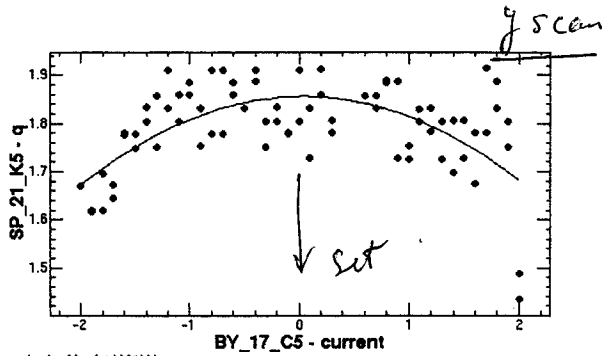
BY 17 C5

a 零件下

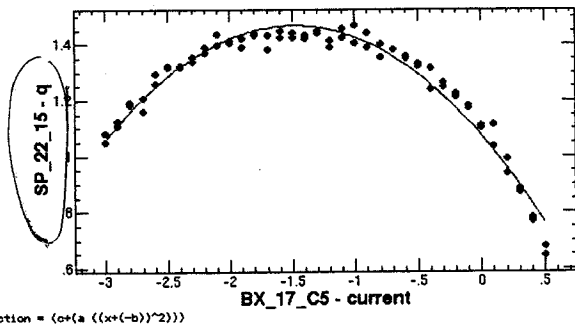
~~0.0 A~~  
-1.4 A  
0.0 A

② Sp 17 c ④  
X = +1 mm  
Y = -3 mm

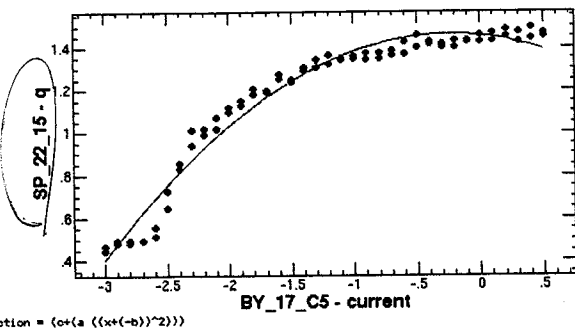
File Edit Window 01/24/2007 21:41:59 Help  
ChiSquare = .40976 Goodness = .47814  
a = -.04472 +/- .00676 b = .03055 +/- .07813 c = 1.89581 +/- .01311



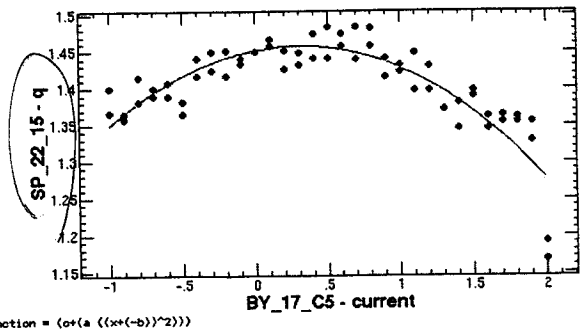
File Edit Window 01/24/2007 21:48:29 Help  
ChiSquare = .10266 Goodness = .47736  
a = -.17821 +/- .00471 b = -1.4877 +/- .01379 c = 1.46765 +/- .00671



File Edit Window 01/24/2007 21:52:57 Help  
ChiSquare = .26496 Goodness = .47736  
a = -.13843 +/- .00757 b = -.23388 +/- .06113 c = 1.46254 +/- .01022



File Edit Window 01/24/2007 21:56:54 Help  
ChiSquare = .05130 Goodness = .47351  
a = -.06297 +/- .00524 b = .30621 +/- .03695 c = 1.45797 +/- .00554



1/24 22=20 e<sup>+</sup> 7-7 収束開始

S

1/25 8=25

終了

//

070125-メンテ報告.txt

2007/01/25(木) ステアリング系等改造による変更点

(1) BY\_17\_4 の架台の改造により向きを変えて横方向ステアリングとして働くようにした。

注意：現在 BY\_17\_4 電源に電流値をかけると BX として働きます。

(2) 新規に 17\_4 加速管上に縦方向ステアリングを設置した。電源ケーブルは現 SY\_17\_3 のものをつないだ。

注意：現在 SY\_17\_3 電源に電流値をかけると場所は 4m ぐらい下流ですが BY としてこれまでと同じ方向に働きます。

(3) 2-1部シケインの BM の配線を変更しました。これまでは BM\_21\_K2/3 に電流値をかけると BM\_21\_K1 (S極) + BM\_21\_K2 (N極) が通電されていましたが、BM\_21\_K2 のみ通電するようにしました。この結果、これまでと同じように BM\_21\_K1/4 : 5A、BM\_21\_K2/3 : 5A かけるとビームがシケイン軌道にならず、横方向に振られます。(孔空きターゲットビームスタディーのため)。

注意：当面KEKB用ビーム運転には BM\_21\_K1/4 : 0A、BM\_21\_K2/3 : 0A で使用して下さい。昔のパラメータをロードするときには注意して下さい。

---

スタディー期間後の運転でもこのままにするか、或いは復元するかについてはビーム調整の様子を見て判断します。このまま使用する場合には、control-Group と相談して名称変更等行います。

復元するのに必要な作業時間は、

- (1) については1時間(作業員：紙谷+補助者1名)、
- (2)、(3)については配線接続の変更のみなので各15分程度です。

1/25 (F)

20子 経路 6m, 20子

20子後 a e+ 5m 高度計 15m 20子 20子取

16:39

20子 1Hz, spirocy Q1 8.02 Q2 7.56

16:47

20子 5Hz Q1 7.95 Q2 7.42

16:54

" 10Hz Q1

17:02

" 25Hz Q1 7.97 Q2 = 7.38

17:09

" 50Hz Q1 7.92 Q2 = 7.27mc

17:16

10子 1Hz 1 = 変更

17:17

start Q1 ~8mc Q2 X

17:27

10子 key down 7-7 5子

17:28

5Hz 10子 (一瞬 20子に 7.62 20子注意)

17:35

10Hz " Q = 7.929mc

17:42

25Hz " Q = 7.923mc

17:49

50Hz " Q = 7.902

17:57

終了

18:33

降時前 FB BY 17-4 → SY 17-3に 変更

18-4.5

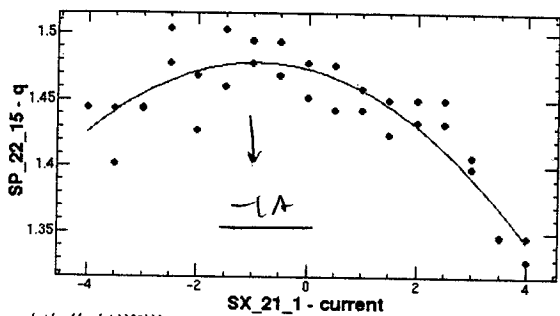
1/11/07 a steering 1=72 scan

SX-21-1 vs SP-22-15  
-1A

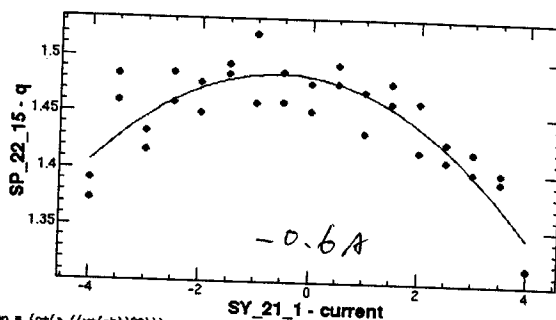
~~1A~~

SY-21-1 scan.

File Edit Window 01/25/2007 18:49:40 Help  
ChiSquare = .01311 Goodness = .46621  
a = -.00353 +/- 6.61E-4 b = -.93493 +/- .17154 c = 1.47775 +/- .00507



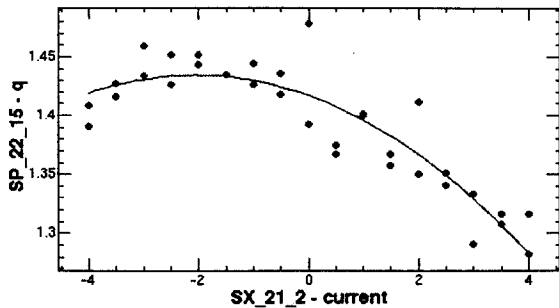
File Edit Window 01/25/2007 18:54:27  
ChiSquare = .01747 Goodness = .46621  
a = -.00677 +/- 7.63E-4 b = -.69136 +/- .14031 c = 1.48525 +/- .00601



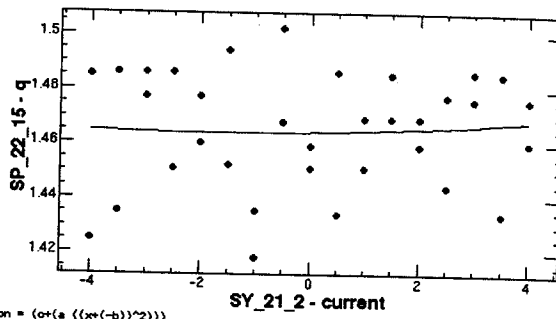
Main Application Area

Hard Copy

File Edit Window 01/25/2007 18:57:17 H  
ChiSquare = .01574 Goodness = .46621  
a = -.00409 +/- 7.24E-4 b = -2.0738 +/- .41510 c = 1.43447 +/- .00521



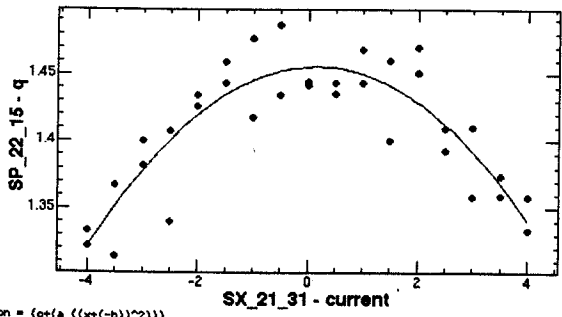
File Edit Window 01/25/2007 19:13:10  
ChiSquare = .01513 Goodness = .46621  
a = 1.57E-4 +/- 7.10E-4 b = -1.4062 +/- 8.04993 c = 1.46366 +/- .00522



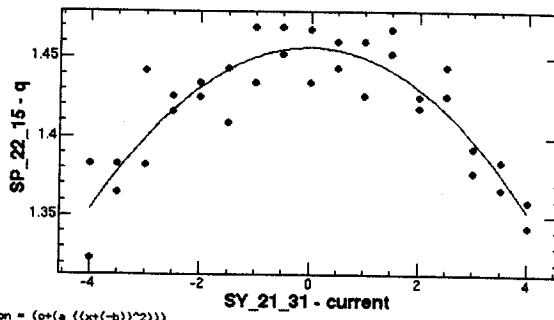
Main Application Area

Main Application Area

File Edit Window 01/25/2007 19:17:20 Help  
ChiSquare = .01794 Goodness = .46621  
a = -.00775 +/- 7.73E-4 b = .14982 +/- .10961 c = 1.45529 +/- .00620



File Edit Window 01/25/2007 19:20:23  
ChiSquare = .01030 Goodness = .46621  
a = -.00643 +/- 5.85E-4 b = -.02038 +/- .09917 c = 1.45632 +/- .00470

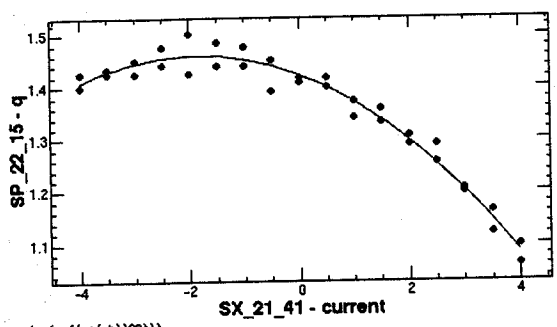


Function = (a\*((x-(b))^2))

Function = (a\*((x-(b))^2))

Hard Copy

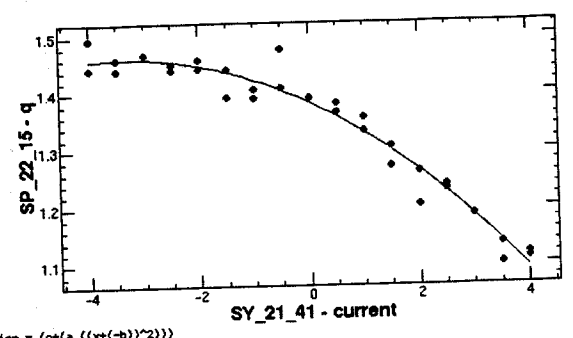
File Edit Window 01/25/2007 19:22:33 Help  
 Square = .01366 Goodness = .46621  
 a = -0.0671 +/- 6.74E-4 b = -1.8516 +/- .13210 c = 1.46057 +/- .00484



Function = (a\*((x-b)^2))

Copy

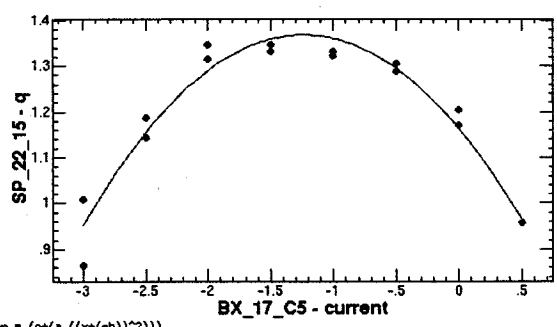
File Edit Window 01/25/2007 19:24:18 Help  
 ChiSquare = .01970 Goodness = .46621  
 a = -0.0671 +/- 8.10E-4 b = -3.4211 +/- .43349 c = 1.46150 +/- .00875



Function = (a\*((x-b)^2))

Hard Copy

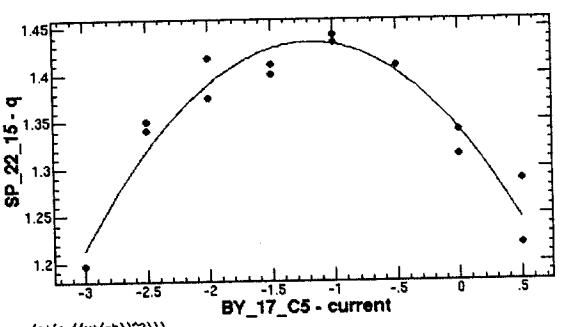
File Edit Window 01/25/2007 19:50:36 Help  
 Square = .02099 Goodness = .44781  
 a = -0.13325 +/- .00877 b = -1.2379 +/- .03291 c = 1.36735 +/- .01520



Function = (a\*((x-b)^2))

Application Area

File Edit Window 01/25/2007 19:52:37 Help  
 ChiSquare = .00748 Goodness = .44781  
 a = -0.06688 +/- .00524 b = -1.1841 +/- .03947 c = 1.43445 +/- .00911



Function = (a\*((x-b)^2))

Hard Copy

19:50

BY 17 C5 ∈ 0 → -1, 12 Set.

SX 21\_1 [2, 3, 4] ∈ q^12 ∈ 0 12 q^3.  
 SY "

19:58

SX\_21\_1 → 1.68 (π - 1)

20:00

SX\_21\_7 → -2. (π - 26)

20:03

SX\_21\_2 → -1.6 (π - 3)

20:05 SY\_21\_2 → 0 (π - 0)

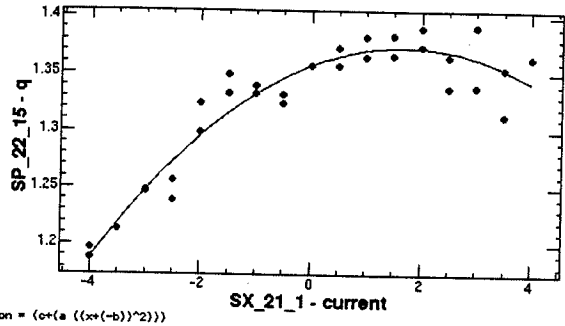
20:09 SX\_21\_31 → 0 (π - 0)

20:09 SY\_21\_31 → 0 (π - 0)

20:11 SX\_21\_44 → -1 (π - 1.9)

20:14 SY\_21\_41 → -1.4 (π - 38)

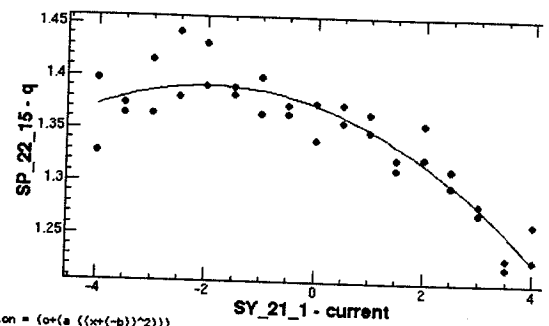
File Edit Window 01/25/2007 19:58:31 Help  
ChiSquare = .01031 Goodness = .46621  
a = -.00572 +/- 5.86E-4 b = 1.68004 +/- .20505 c = 1.37315 +/- .00422



Function = (a\*((x-(b))^2))

Hard Copy

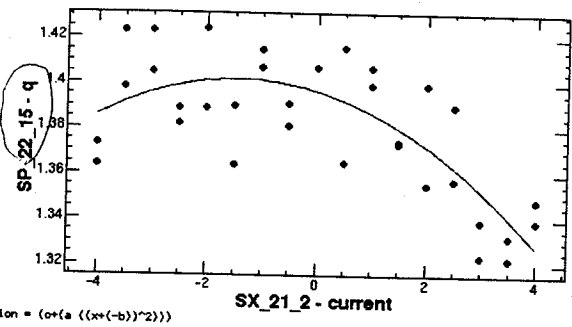
File Edit Window 01/25/2007 20:01  
ChiSquare = .01637 Goodness = .46621  
a = -.00458 +/- 7.38E-4 b = -1.9798 +/- .36391 c = 1.39121 +/- .



Function = (a\*((x-(b))^2))

Hard Copy

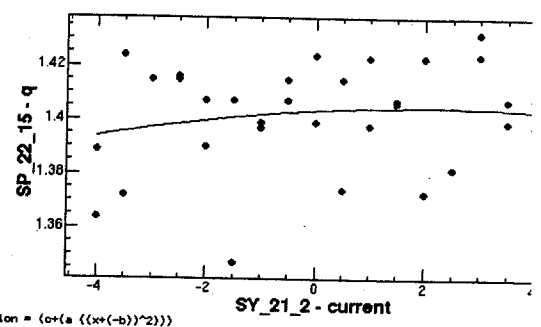
File Edit Window 01/25/2007 20:02:59 Help  
ChiSquare = .01173 Goodness = .46621  
a = -.00249 +/- 6.25E-4 b = -1.4620 +/- .45940 c = 1.40169 +/- .00457



Function = (a\*((x-(b))^2))

Hard Copy

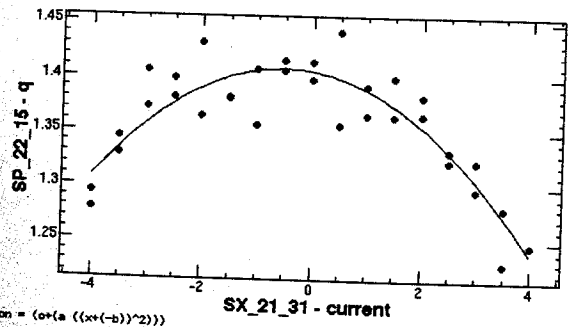
File Edit Window 01/25/2007 20:03  
ChiSquare = .01224 Goodness = .46621  
a = -3.0E-4 +/- 6.38E-4 b = 2.07325 +/- 5.00814 c = 1.40463 +/-



Function = (a\*((x-(b))^2))

Hard Copy

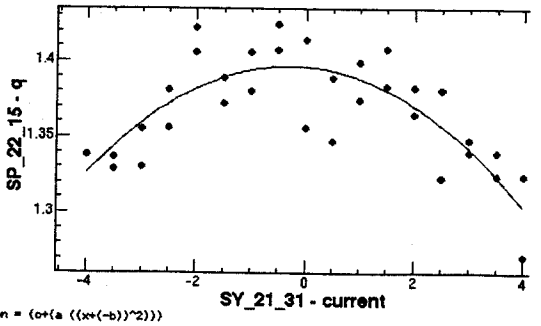
File Edit Window 01/25/2007 20:07:14 Help  
ChiSquare = .01857 Goodness = .46621  
a = -.00621 +/- 7.86E-4 b = -.53292 +/- .11614 c = 1.40734 +/- .00622



Function = (a\*((x-(b))^2))

Hard Copy

File Edit Window 01/25/2007 20:08  
ChiSquare = .01435 Goodness = .46621  
a = -.00505 +/- 6.91E-4 b = -.28247 +/- .15406 c = 1.39653 +/-

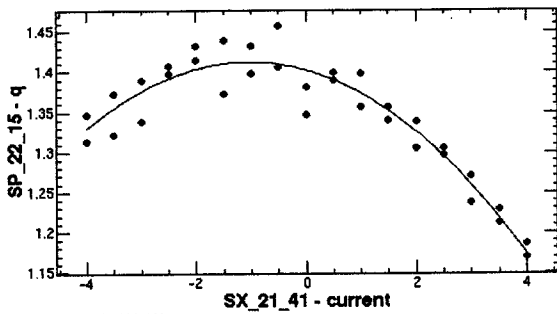


Function = (a\*((x-(b))^2))

Hard Copy

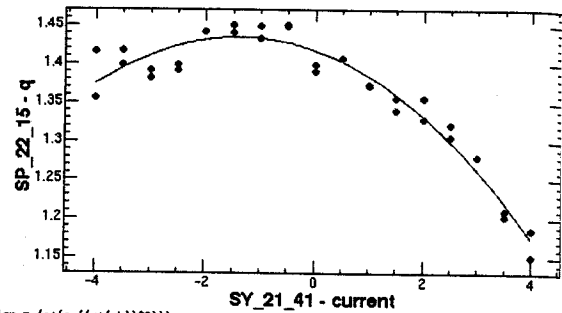
20:14 11:38 - 夕保存

File Edit Window 01/25/2007 20:11:31 Help  
 ChiSquare = .01615 Goodness = .46621  
 a = -.00949 +/- 7.33E-4 b = -1.0341 +/- .11716 c = 1.41233 +/- .00358



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

File Edit Window 01/25/2007 20:13:45  
 ChiSquare = .01184 Goodness = .46621  
 a = -.00896 +/- 6.20E-4 b = -1.3882 +/- .12367 c = 1.43477 +/- .0046



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

Hard Copy

Hard Copy

20:40

テータ EpM start

FB705 X-7

SY-17-1

0 → -1 →  $\frac{2}{A}$

~~17=00~~ → 17 (20:40)

21:50

AR 入射の為、テータ取り中断

22:19

テータ取り再開

23:15

AR life 急落のため再入射の為テータ取り中断

2:41

テータ取り再開

8:56

テータ取り終了

07 / 1/26(金)

9:30

FB offset 1x ~~0~~ +1 → 0

2Y -3 → 0

テータ取り再開

( BX17c5 : -4.02 → 0  
 BY17c5 : 0.005 → 0

SY-17-1 : ~~0~~ -1.999 → 0

② YL/14中 a 进行7470 拟合 E 全 E 拟合 = 1.60

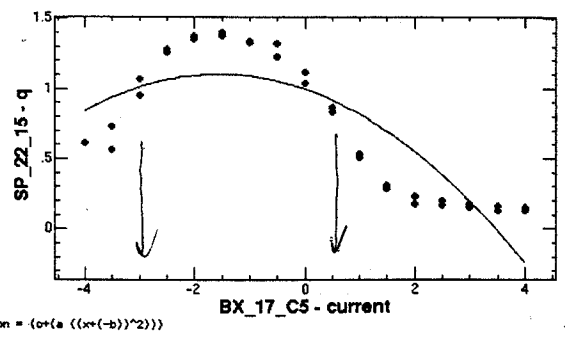
Goddess  
Steering

SX-21-1	Y	-0.6 → 0
SX-21-2	Y	0.001 → 0
<del>SX-21-3</del>		
SX-21-3	Y	+0.001 → 0
SX-21-4	Y	-3.001 → 0

f = 35

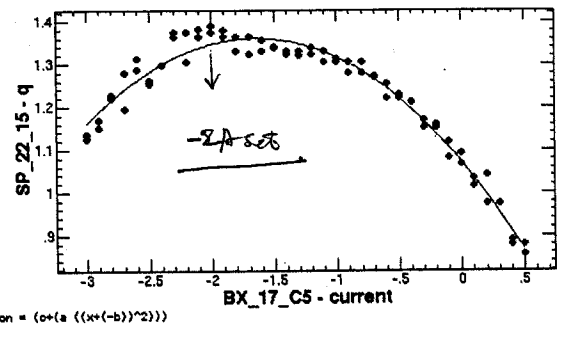
7470 ● BX-17-C5 scan.

File Edit Window 01/26/2007 09:37:08 Help  
ChiSquare = 2.11058 Goodness = .46621  
a = -.04357 +/- .00838 b = -1.5628 +/- .36650 c = 1.10232 +/- .06088



Hard Copy

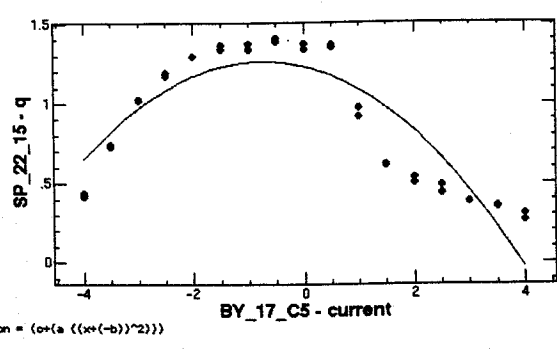
File Edit Window 01/26/2007 09:41:35 Help  
ChiSquare = .04443 Goodness = .47736  
a = -.10767 +/- .00310 b = -1.6423 +/- .01751 c = 1.36055 +/- .00430



Hard Copy

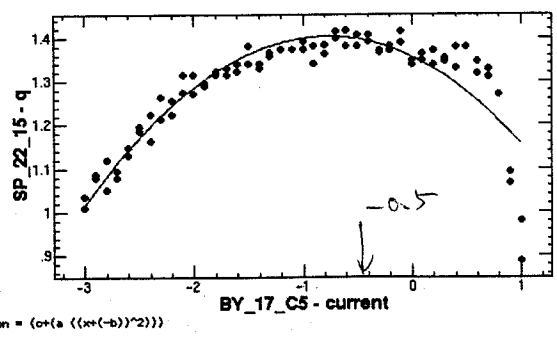
BY-17-C5 scan

File Edit Window 01/26/2007 09:45:06 Help  
ChiSquare = 1.18457 Goodness = .46621  
a = -.05777 +/- .00628 b = -.74373 +/- .14341 c = 1.26406 +/- .04896



Hard Copy

File Edit Window 01/26/2007 09:49:13 Help  
ChiSquare = .23043 Goodness = .47884  
a = -.07839 +/- .00477 b = -.77479 +/- .03486 c = 1.40407 +/- .00885



Hard Copy

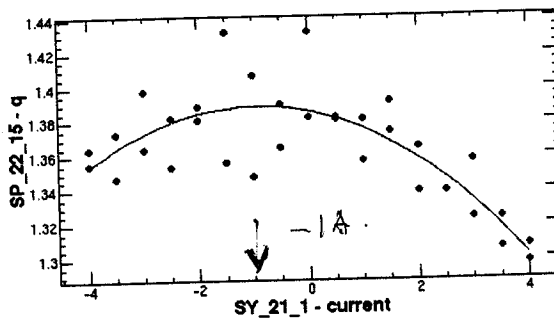
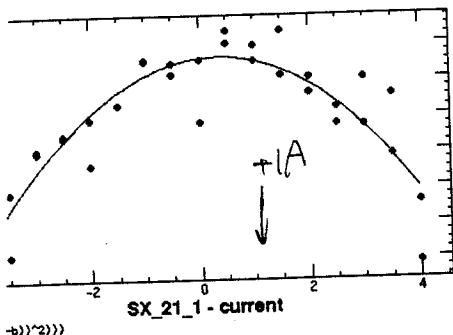


SX 21-1 scan

SY-21-1 scan

01/26/2007 09:52:51 Help  
 Goodness = .46621  
 b = .35909 +/- .10907 c = 1.39261 +/- .00427

01/26/2007 10:00:26 Help  
 ChiSquare = .01191 Goodness = .46621  
 a = -.00362 +/- 6.30E-4 b = -.91318 +/- .24723 c = 1.38886 +/- .00484



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

Hard Copy

9:57

KEKB e+ target study 2 ~ user parameter save  
 (data 4393, all)

AP-入射口 閉

10:20

閉

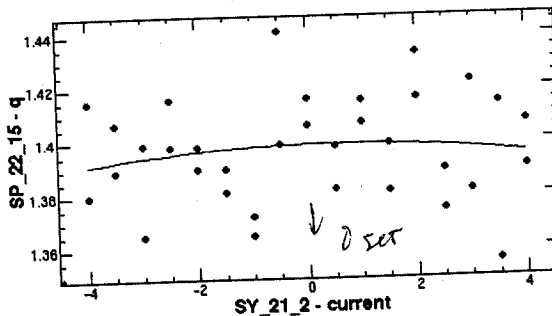
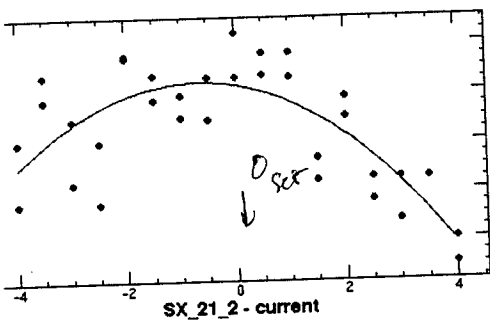
SX-~~21-2~~

scan

SY-21-2

01/26/2007 10:22:26 Help  
 Goodness = .46621  
 b = -.64826 +/- .21818 c = 1.40419 +/- .00412

01/26/2007 10:24:58 Help  
 ChiSquare = .01263 Goodness = .46621  
 a = -3.5E-4 +/- 6.49E-4 b = .66139 +/- 2.38600 c = 1.39900 +/- .00509

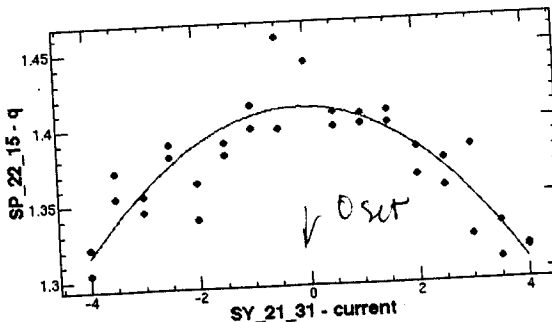
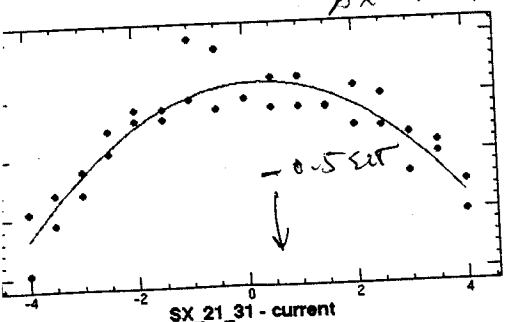


Function = (c+(a\*((x-(b))^2)))

01/26/2007 10:28:22 Help  
 Goodness = .46621  
 b = .26834 +/- .09329 c = 1.41188 +/- .00473

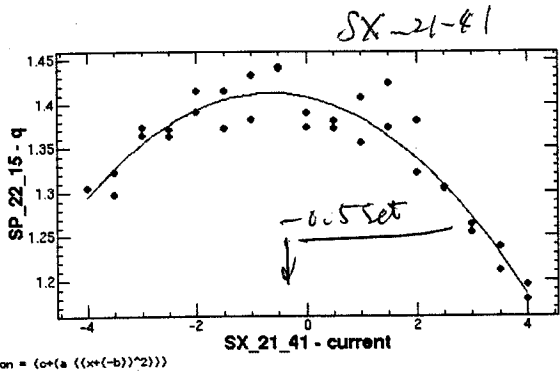
01/26/2007 10:31:42 Help  
 ChiSquare = .01296 Goodness = .46621  
 a = -.00626 +/- 6.57E-4 b = -.10254 +/- .11480 c = 1.41126 +/- .00527

SX-21-3

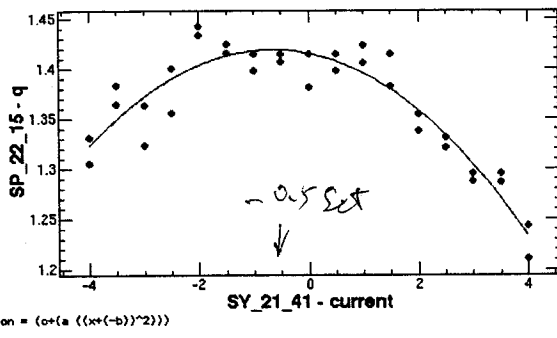


Function = (c+(a\*((x-(b))^2)))

File Edit Window 01/26/2007 10:34:26 Help  
 ChiSquare = .01701 Goodness = .46621  
 a = -.01052 +/- 7.52E-4 b = -.65780 +/- .09108 c = 1.41212 +/- .00590

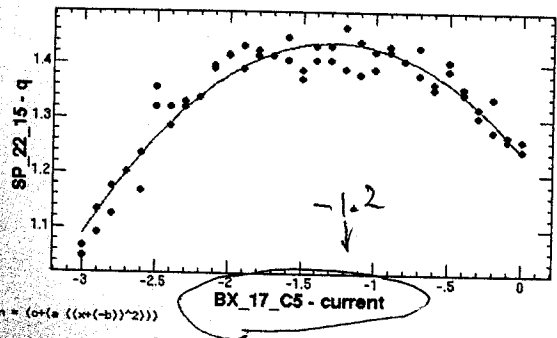


File Edit Window 01/26/2007 10:37:33 Help  
 ChiSquare = .01429 Goodness = .46621  
 a = -.00852 +/- 6.90E-4 b = -.65975 +/- .10316 c = 1.41891 +/- .00541

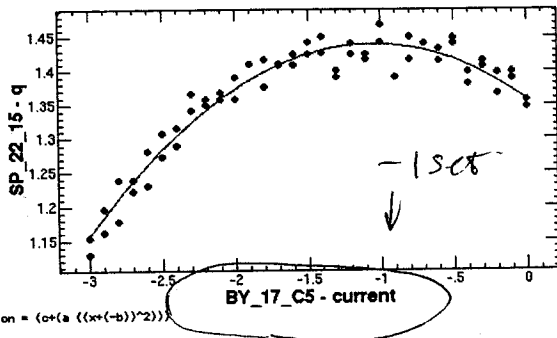


Hard Copy  
 [0:40] ( SP21K5 Q 1.704 nC  
 SP2215 Q 1.400 nC

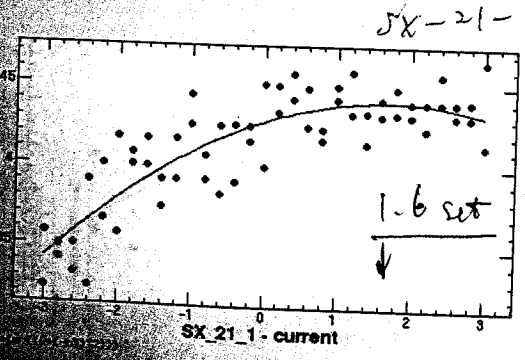
File Edit Window 01/26/2007 10:45:43 Help  
 ChiSquare = .05330 Goodness = .47551  
 a = -.11908 +/- .00534 b = -1.2891 +/- .02026 c = 1.43836 +/- .00563



File Edit Window 01/26/2007 10:50:33 Help  
 ChiSquare = .02632 Goodness = .47551  
 a = -.07445 +/- .00375 b = -1.0498 +/- .03035 c = 1.43977 +/- .00375



File Edit Window 01/26/2007 11:01:16 Help  
 ChiSquare = .01978 Goodness = .47551  
 a = -.01451 +/- 8.14E-4 b = 1.67382 +/- .33463 c = 1.44078 +/- .00320



Hard Copy  
 File Edit Window 01/26/2007 11:05:13 Help  
 ChiSquare = .02069 Goodness = .47551  
 a = -.00522 +/- 8.32E-4 b = -1.4593 +/- .26501 c = 1.43759 +/- .00320

