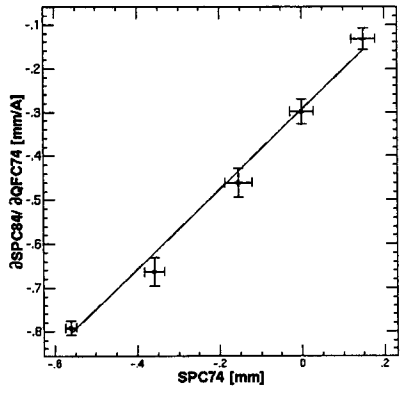
File Edit Window



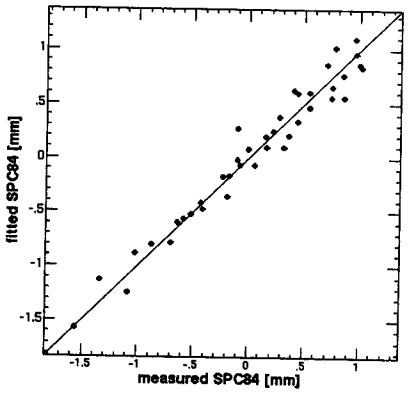
Hard Copy

Help

Condition
BPM to be Calibrated :
SPC74
Direction :
Horizontal ◆ Vertical
Used Components :
BPM : SPC74
Steering : {{"SYC71",1}}
from -1
to 1
number 5
Q magnet: QFC74
from -1
to 1
number 8
next remem. save
GO READ
Display
BPM : Steering step :
SPC84 Fit
Result
When the beam is at the Q center :
BPM reading [mm]: .19688
error [mm]: .01534
Last BPM taken into account :
SP144
rel. curr. thresh. : .7
Fit Chk I Save

File Edit Window

residual = .150 mm



Hard Copy

Help

Condition
BPM to be Calibrated :
SPC74
Direction :
Horizontal ◆ Vertical
Used Components :
BPM : SPC74
Steering : {{"SYC71",1}}
from -1
to 1
number 5
Q magnet: QFC74
from -1
to 1
number 8
next remem. save
GO READ
Display
BPM : Steering step :
SPC84 Fit0
Result
When the beam is at the Q center :
BPM reading [mm]: .19688
error [mm]: .01534
Last BPM taken into account :
SP144
rel. curr. thresh. : .7
Fit Chk I Save

SPC84	0.183	0.027 (	0.150)
SP114	0.200	0.025 (	0.119)
SP124	0.310	0.045 (	0.075)
SP134	-1.793	25.087 (	0.109)
SP144	0.138	0.037 (	0.212)

2004/2/12(木) 11:50~ (SP8のStudy) Satoh, Suwada, toyotomi

50 Hz

11:46:21 Nominal. ~ 11:47:51

◦ SB_A Φ. Ref. 92°, Current 84.5°

∴ ——→ 中止 (KEKB入射の為)

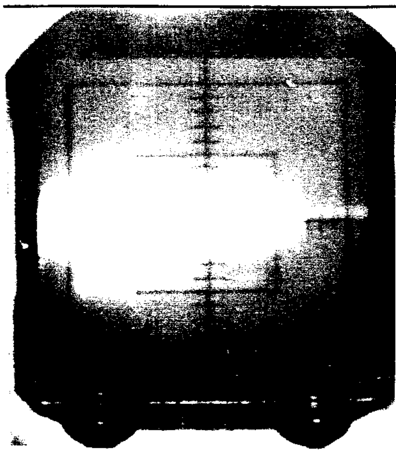
'04/3/3(水)

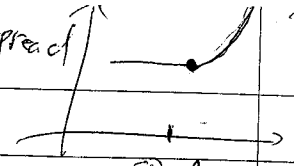
Satoh suwada Toyotomi

(SBAを振る) 10Hz, 2bunch

		SB_A	SB_B 85.5	Spread ①	②
9:42	nominal	85.5		~~6.~~ 6.16	8.81
9:48:28	——	~~86.5~~ 84.5		5.56	9.53
9:49:43	——	83.5		5.81	9.13
9:50:57	——	82.5		5.69	9.85
9:51:49	——	81.5		5.26	5.89
9:52:28	——	80.5		5.42	7.06
9:53:13	——	79.5		~~5.9~~ 5.75	6.49

SL.R0.31 SB_A 82.5(-3°)





10:30 (AR入射後) First only, 10Hz.

SB_A	SP ①	②
95.5	~~14.5~~ 14.36	~~-0.88~~
90.5	10.37	~~1.85~~
85.5	5.99	

・おそらく、phasingされていない為、phaseがずれている可能性あり、(SB_kBユニット)

(SHBを抜く。) 1bunch, 10Hz

	~~(SHB=1)~~ SHB_1	SP1	②
10:35:24	42°	6.15	~~1.81~~
10:36:49	⋮ (-0.5°)	7.77	~~3.43~~
10:37:36	(-1°)	9.11	
10:38:14	(-1.5°)	8.48	
10:38:58	(-2°)	~~6.5~~ 6.86	
10:39:40	もう一度 (-1°)	~~9.2~~ 9.2	
10:40:02	もう一度 (0°)	6.7	
10:40:36	(+0.5°)	5.46	
10:41:04	(~~+0.5~~ +1°)	4.21	
10:41:50	(+1.5°)	3.44	
10:42:19	(+2°)	2.93	
10:43:33	(+2.5°)	2.96	

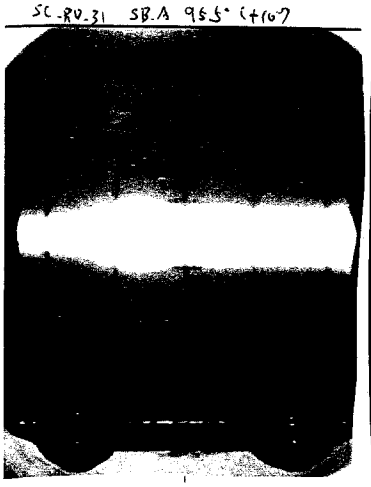
	(SHB_2)	(SP1)
10:46:31	301°	6.66
10:47:07	301.5° (+0.5°)	6.76
10:47:51	302° (+1.0°)	6.79
10:48:37	302.5° (+1.5°)	5.81
10:49:06	303°	5.27
10:50:41	300.5°	5.98
10:51:14	300.1°	5.46
10:51:54	299.4°	4.59
10:52:18	299.1°	4.63
10:52:57	298.5°	3.41
10:53:34	298°	3.27

(SB_A)

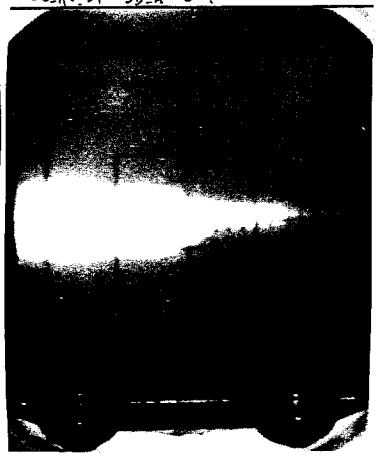
+0.5 −0.7

(SHB_1)

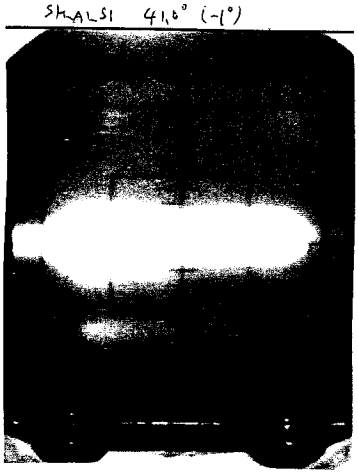
SC_RO_31 SB_A 95.5° (+10°)



SC_RO_31 SB_A 80.5° (−5°)

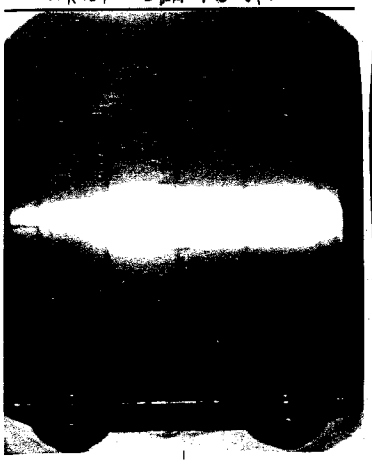


SH_AL_S1 41.0° (−1°)

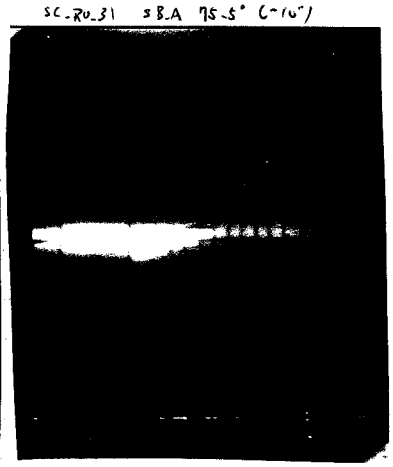


SH_AL_S1 43° (+1°)

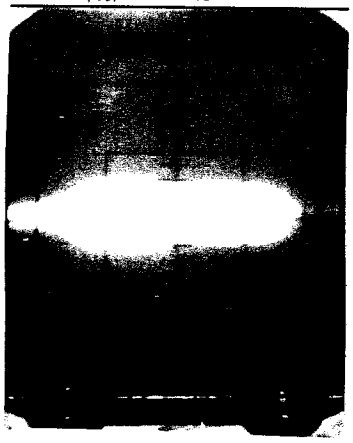
SC_RO_31 SB_A 90.5° (+5°)



SC_RO_31 SB_A 75.5° (−10°)

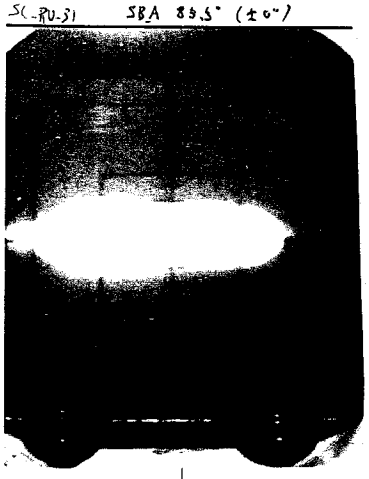


SH_AL_S1 42.0° (±0°)

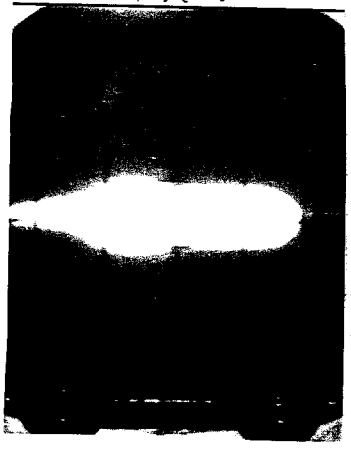


SH_AL_S1 44° (+2°)

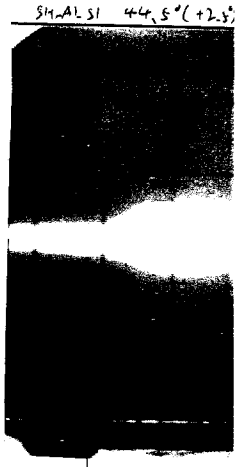
SC_RO_31 SB_A 85.5° (±0°)



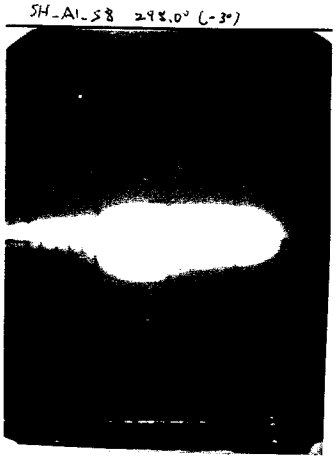
SH_AL_S1 42.5° (+0.5°)



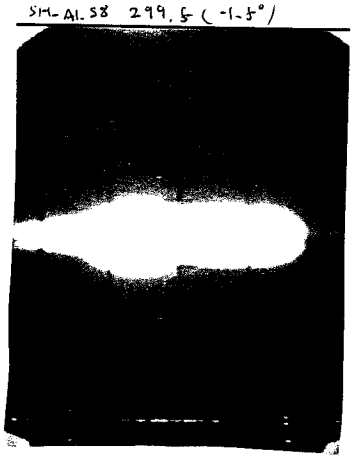
SH_AL_S1 44.5° (+2.5°)



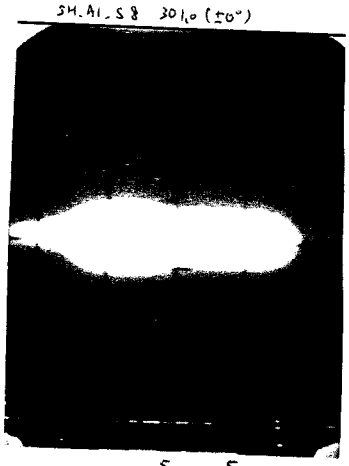
SH_AL_58 298.0° (-3°)



SH-AL_58 299.5 (-1.5°)



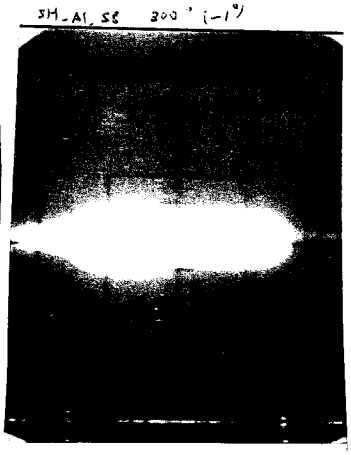
SH_AL_58 301.0 (±0°)



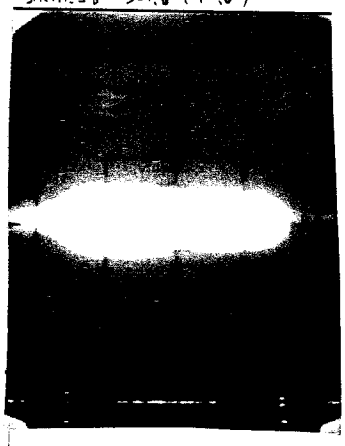
SH_AL_58 302.5° (+1.5°)

SH-AL_58 298.5° (-2.5°)

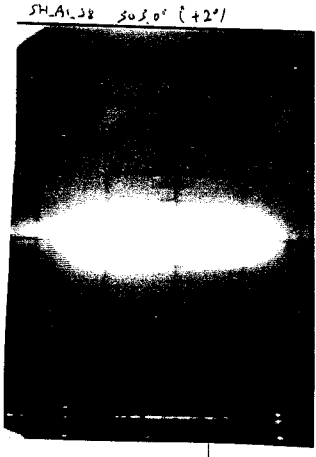
SH_AL_58 300° (-1°)



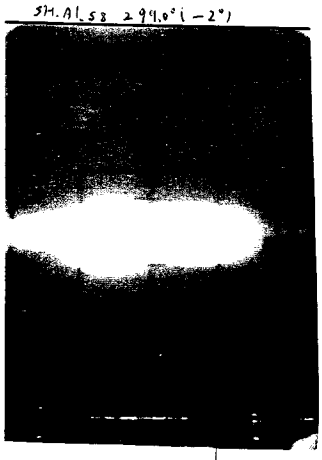
SH_AL_58 301.5° (+0.5°)



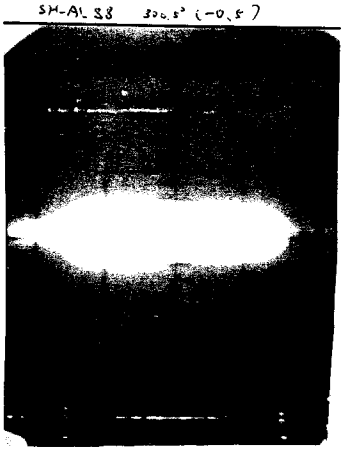
SH_AL_58 303.0° (+2°)



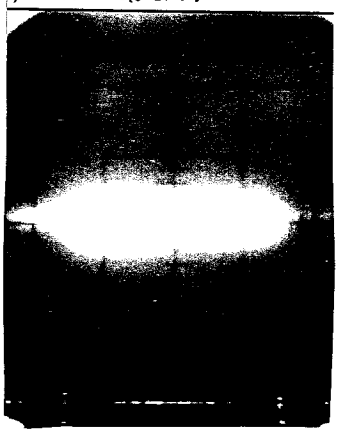
SH_AL_58 299.0° (-2°)

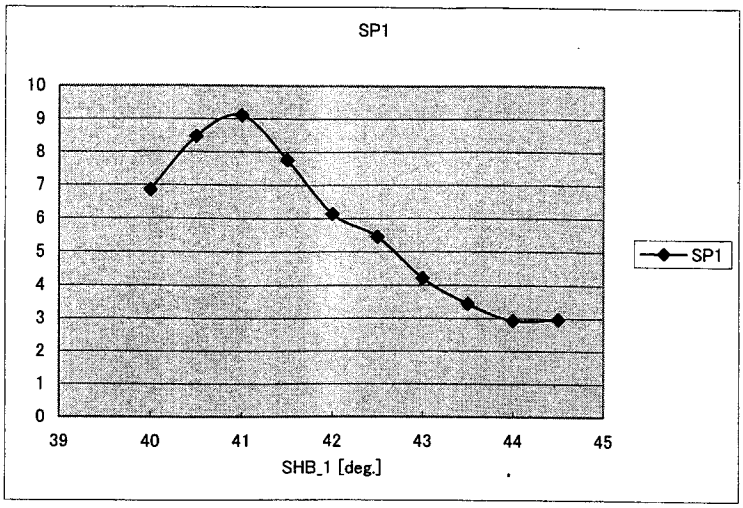


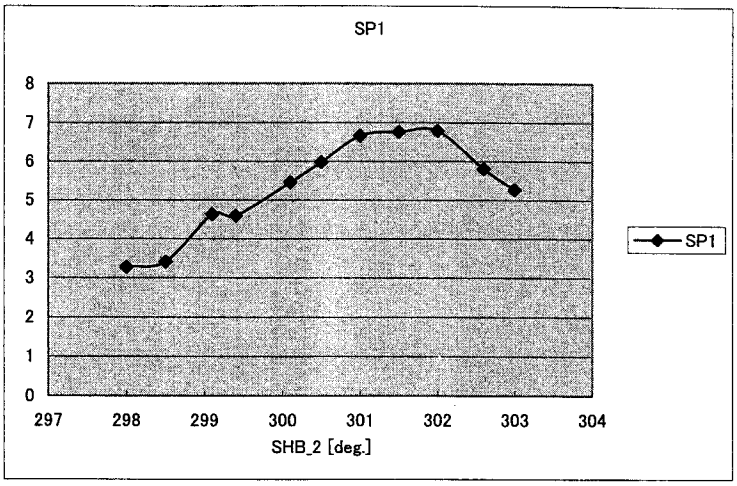
SH_AL_58 300.5° (-0.5°)



SH_AL_58 302.0° (+1.0°)




SP1
10
9
8
7
6
5
4
3
2
1
0
39
40
41
42
43
44
45
SHB_1 [deg.]
SP1


SP1
8
7
6
5
4
3
2
1
0
297
298
299
300
301
302
303
304
SHB_2 [deg.]
SP1

f04/3/11 (0k13) sp8 Study (●Satoh, Sunada) e−, 25Hz (spread)

10:17:40 SB_A 0° (90.5° (nominal))

10:19:01 −1° 0.66
(10:21:36 からおちついた)

10:24:12 −2° 0.65

10:27:27 −3° 0.63
(29:08)

10:30:05 −4° 0.69 (X軌道, energy FBの変動が大きくて, データとしてはあてにならない?)
(10:31:15)

10:36:46 −5° 0.57 (nominal?)

10:41:42 −6° 0.59

10:47:01 −7° 0.53

10:51:16 −8° 0.9

10:53:40 −9° 0.72

1:01:21 −10° 1.09

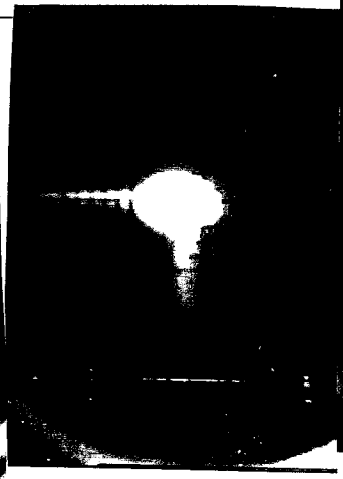
11:02:54 −11° 1.21

11:05:15 0° 1.03

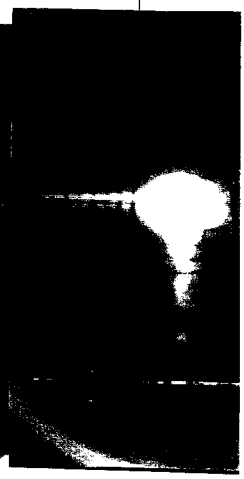
(※) ( )内は energy FBがおちついた時刻。ただし, X軌道の変動が大きく, energyFBの変動が大きいため, データの質が悪い。

SB-A 89.5 (-1)
SC-RO-31

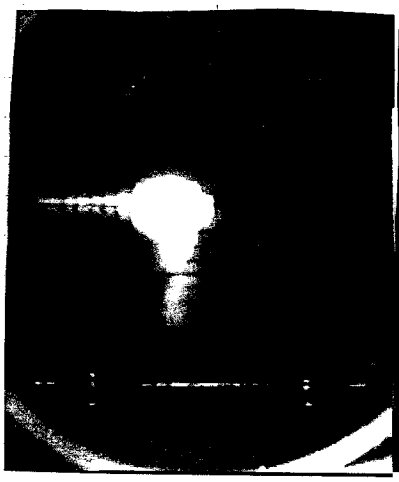
SB-A 88.5 (-2)
SC-RO-31



SB-A 87.5 (-3)
SC-RO-31



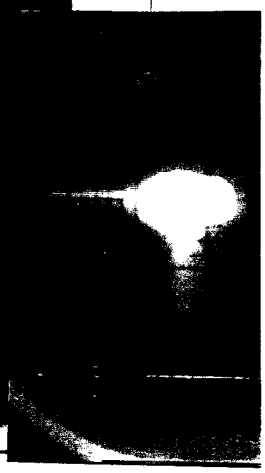
SB-A 86.5 (-4)
SC-RO-31



SB-A 85.5 (-5)
SC-RO-31

SB-A 84.5 (-6)
SC-RO-31

SB-A 83.5 (-7)
SC-RO-31

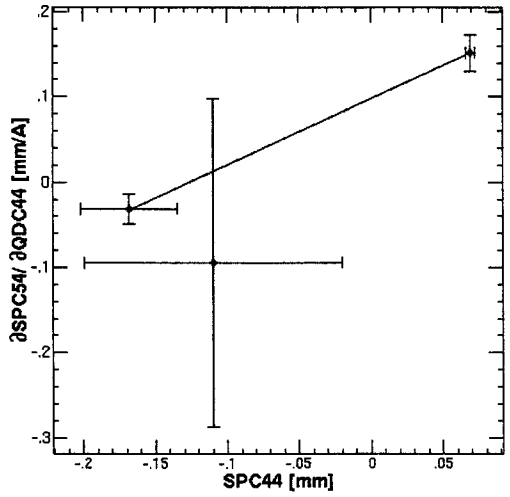


SB-A 82.5 (-8)
SC-RO-31

SB-A 81.5 (-9)
SC-RO-31

SB-A 79.5 (-11)
SC-RO-31

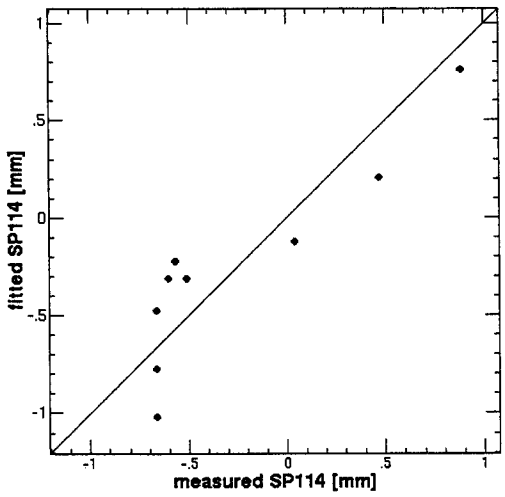
File Edit Window 12/05/2003 14:30:07 Help



Condition
BPM to be Calibrated :
SPC44
Direction :
◆ Horizontal Vertical
Used Components :
BPM : SPC44
Steering : {{"SXC41",1}}
from -2
to 2
number 3
Q magnet: QDC44
from -1
to 1
number 3
next remem. save
GO READ
Display
BPM : Steering step :
SPC54 Fit
Result
When the beam is at the Q center :
BPM reading [mm]: -.0449
error [mm]: .1065
Last BPM taken into account :
SP114
rel. curr. thresh. : 0
Fit Chk I Save

File Edit Window 12/05/2003 12:39:56 Help

residual = .365 mm



Condition
BPM to be Calibrated :
SPC44
Direction :
◆ Horizontal Vertical
Used Components :
BPM : SPC44
Steering : {{"SXC41",1}}
from -2
to 2
number 3
Q magnet: QDC44
from -1
to 1
number 3
next remem. save
GO READ
Display
BPM : Steering step :
SPC54 Fit0
Result
When the beam is at the Q center :
BPM reading [mm]: -.0449
error [mm]: .1065
Last BPM taken into account :
SP114
rel. curr. thresh. : 0
Fit Chk I Save

SPC54	-0.085	0.348 (	0.156)
SPC64	0.100	1.263 (	0.383)
SPC74	-0.150	0.562 (	0.350)
SPC84	0.124	1.997 (	0.441)
SP114	-0.038	0.115 (	0.365)