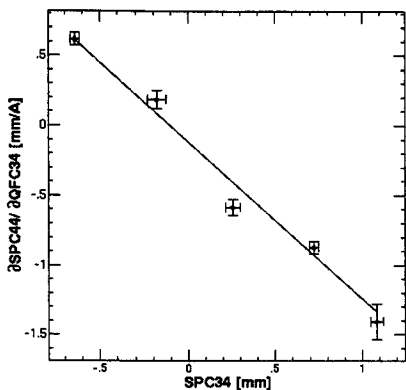


File Edit Window

12/16/2009 09:28 Help



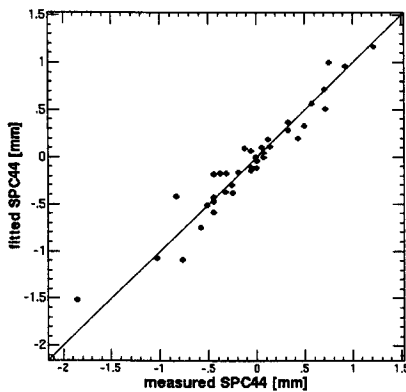
Condition  
 BPM to be Calibrated :  
 SPC34  
 Direction :  
 ◀ Horizontal Vertical  
 Used Components :  
 BPM : SPC34  
 Steering : {("SXC31",1)}  
 from -1  
 to 2.5  
 number 5  
 Q magnet: QFC34  
 from -1  
 to 1  
 number 8  
 next remem. save  
 GO READ  
 Display  
 BPM : Steering step :  
 SPC44 RL  
 Result  
 When the beam is at the Q center :  
 BPM reading [mm]: -13797  
 error [mm]: .00493  
 Last BPM taken into account :  
 SPC34  
 rel. curr. thresh. : .7  
 RL Chk I Save

Hard Copy

File Edit Window

12/16/2009 09:29 Help

residual = .159 mm

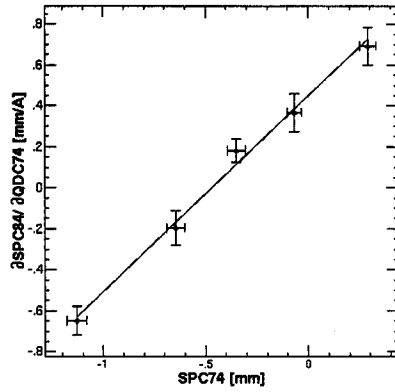


Condition  
 BPM to be Calibrated :  
 SPC34  
 Direction :  
 ◀ Horizontal Vertical  
 Used Components :  
 BPM : SPC34  
 Steering : {("SXC31",1)}  
 from -1  
 to 2.5  
 number 5  
 Q magnet: QFC34  
 from -1  
 to 1  
 number 8  
 next remem. save  
 GO READ  
 Display  
 BPM : Steering step :  
 SPC44 RL0  
 Result  
 When the beam is at the Q center :  
 BPM reading [mm]: -13797  
 error [mm]: .00493  
 Last BPM taken into account :  
 SPC34  
 rel. curr. thresh. : .7  
 RL Chk I Save

Hard Copy

SPC44	-0.145	0.011	( 0.159)
SPC54	-0.145	0.015	( 0.121)
SPC64	-0.131	0.008	( 0.138)
SPC74	-0.139	0.009	( 0.133)
SPC84	-0.195	0.095	( 0.162)

File Edit Window



Hard Copy

12/06/2003 09:29:11 Help

Condition  
 BPM to be Calibrated :  
 SPC74

Direction :  
 Horizontal Vertical

Used Components :  
 BPM : SPC74  
 Steering : {{('SXC71',1)}}  
 from -2  
 to 1.5  
 number 5  
 Q magnet: QDC74  
 from -1  
 to 1  
 number 8

next remem. save

GO READ

Display  
 BPM : Steering step :  
 SPC84 Fit

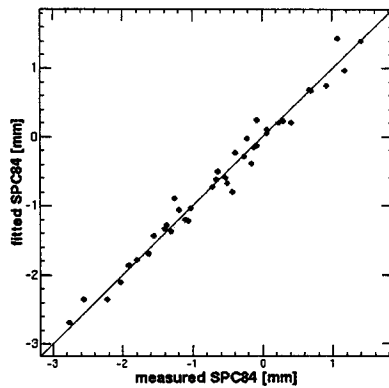
Result  
 When the beam is at the Q center :  
 BPM reading [mm]: -44279  
 error [mm]: .00971

Last BPM taken into account :  
 SP144  
 rel. curr. thresh. : .7

Fit Ok! Save

File Edit Window

residual = .165 mm



Hard Copy

12/06/2003 09:29:11 Help

Condition  
 BPM to be Calibrated :  
 SPC74

Direction :  
 Horizontal Vertical

Used Components :  
 BPM : SPC74  
 Steering : {{('SXC71',1)}}  
 from -2  
 to 1.5  
 number 5  
 Q magnet: QDC74  
 from -1  
 to 1  
 number 8

next remem. save

GO READ

Display  
 BPM : Steering step :  
 SPC84 Fit

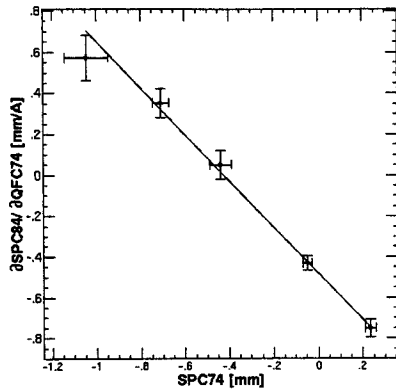
Result  
 When the beam is at the Q center :  
 BPM reading [mm]: -44279  
 error [mm]: .00971

Last BPM taken into account :  
 SP144  
 rel. curr. thresh. : .7

Fit Ok! Save

SPC84	-0.471	0.025	( 0.165)
SP114	-0.415	0.015	( 0.116)
SP124	-0.446	0.017	( 0.080)
SP134	-0.339	0.324	( 0.110)
SP144	-0.489	0.028	( 0.159)

File Edit Window



Hard Copy

12-16-2003 10:20:34 Help

Condition  
 BPM to be Calibrated :  
 SPC74

Direction :  
 Horizontal Vertical

Used Components :  
 BPM : SPC74  
 Steering : {{("SXC71",1)}}  
 from -2  
 to 1.5  
 number 5  
 Q magnet: QFC74  
 from -1  
 to 1  
 number 8  
 next remem. save

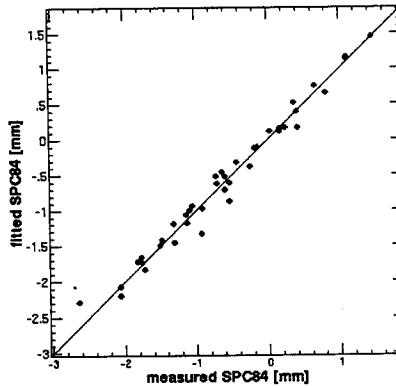
GO READ

Display  
 BPM : Steering step :  
 SPC84 RL

Result  
 When the beam is at the Q center :  
 BPM reading [mm]: -0.38454  
 error [mm]: .01014  
 Last BPM taken into account :  
 SP144  
 rel. curr. thresh. : .7  
 RL Ok I Save

File Edit Window

residual = .151 mm



Hard Copy

12-16-2003 10:20:34 Help

Condition  
 BPM to be Calibrated :  
 SPC74

Direction :  
 Horizontal Vertical

Used Components :  
 BPM : SPC74  
 Steering : {{("SXC71",1)}}  
 from -2  
 to 1.5  
 number 5  
 Q magnet: QFC74  
 from -1  
 to 1  
 number 8  
 next remem. save

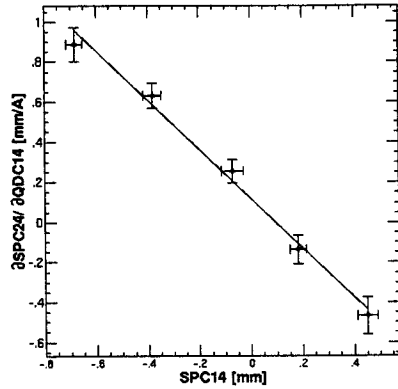
GO READ

Display  
 BPM : Steering step :  
 SPC84 RL

Result  
 When the beam is at the Q center :  
 BPM reading [mm]: -0.38454  
 error [mm]: .01014  
 Last BPM taken into account :  
 SP144  
 rel. curr. thresh. : .7  
 RL Ok I Save

SPC84	-0.374	0.020	( 0.151)
SP114	-0.423	0.019	( 0.147)
SP124	-0.371	0.017	( 0.096)
SP134	-0.672	1.087	( 0.115)
SP144	-0.353	0.031	( 0.216)

File Edit Window



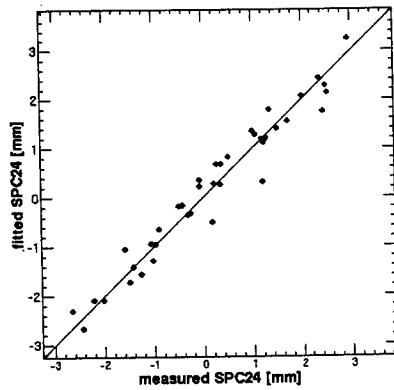
Hard Copy

12 Nov 2003 17:59:10 Help

Condition  
 BPM to be Calibrated :  
 SPC14  
 Direction :  
 Horizontal  $\leftrightarrow$  Vertical  
 Used Components :  
 BPM : SPC14  
 Steering :   
 from -1  
 to 1  
 number 5  
 Q magnet: GDC14  
 from -1  
 to 1  
 number 8  
 next remem. save  
 GO READ  
 Display  
 BPM : Steering step :  
 SPC24 RL  
 Result  
 When the beam is at the Q center :  
 BPM reading [mm]: .14294  
 error [mm]: .01914  
 Last BPM taken into account :  
 SPC54  
 rel. curr. thresh. : .7  
 Fit Ok I Save

File Edit Window

residual = .345 mm



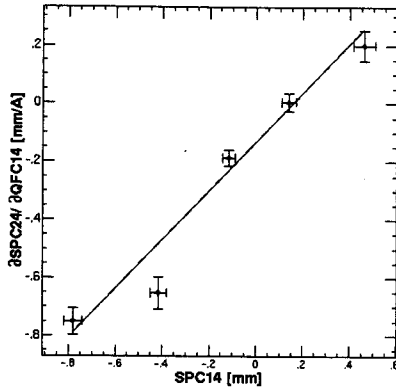
Hard Copy

12 Nov 2003 17:59:10 Help

Condition  
 BPM to be Calibrated :  
 SPC14  
 Direction :  
 Horizontal  $\leftrightarrow$  Vertical  
 Used Components :  
 BPM : SPC14  
 Steering :   
 from -1  
 to 1  
 number 5  
 Q magnet: GDC14  
 from -1  
 to 1  
 number 8  
 next remem. save  
 GO READ  
 Display  
 BPM : Steering step :  
 SPC24 RL  
 Result  
 When the beam is at the Q center :  
 BPM reading [mm]: .14294  
 error [mm]: .01914  
 Last BPM taken into account :  
 SPC54  
 rel. curr. thresh. : .7  
 Fit Ok I Save

SPC24	0.178	0.039	( 0.345)
SPC34	-0.060	0.108	( 0.141)
SPC44	0.130	0.031	( 0.350)
SPC54	0.218	0.072	( 0.282)
SPC64	0.135	0.037	( 0.402)

File Edit Window

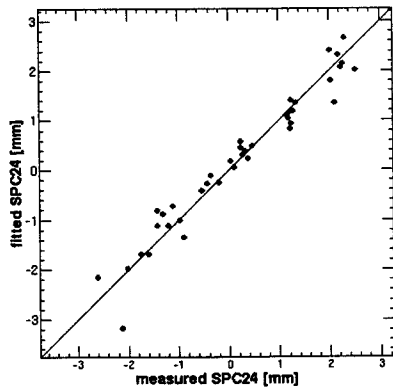


Hard Copy

Condition  
 BPM to be Calibrated :  
 SPC14  
 Direction :  
 Horizontal  Vertical  
 Used Components :  
 BPM : SPC14  
 Steering : {{('SYC11',1)}}  
 from -1  
 to 1  
 number 5  
 Q magnet: QFC14  
 from -1  
 to 1  
 number 8  
 next remem. save  
 GO READ  
 Display  
 BPM : SPC24 Steering step : Fit  
 Result  
 When the beam is at the Q center :  
 BPM reading [mm]: .43308  
 error [mm]: .04331  
 Last BPM taken into account :  
 SPC24  
 rel. curr. thresh. : .7  
 Fit Ok! Save

File Edit Window

residual = .348 mm

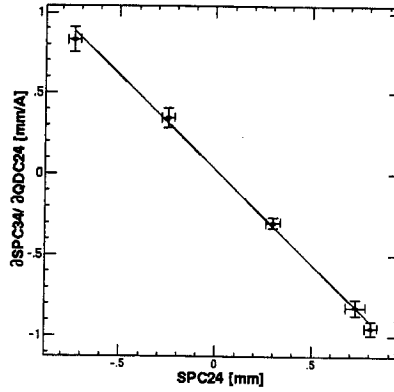


Hard Copy

Condition  
 BPM to be Calibrated :  
 SPC14  
 Direction :  
 Horizontal  Vertical  
 Used Components :  
 BPM : SPC14  
 Steering : {{('SYC11',1)}}  
 from -1  
 to 1  
 number 5  
 Q magnet: QFC14  
 from -1  
 to 1  
 number 8  
 next remem. save  
 GO READ  
 Display  
 BPM : SPC24 Steering step : Fit  
 Result  
 When the beam is at the Q center :  
 BPM reading [mm]: .43308  
 error [mm]: .04331  
 Last BPM taken into account :  
 SPC24  
 rel. curr. thresh. : .7  
 Fit Ok! Save

SPC24	0.541	0.101	( 0.348)
SPC34	-1.368	5.525	( 0.148)
SPC44	0.368	0.062	( 0.326)
SPC54	0.759	0.242	( 0.259)
SPC64	0.439	0.080	( 0.357)

File Edit Window

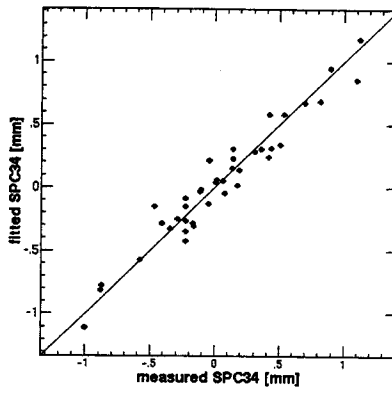


Hard Copy

12 Nov 2016 11:21:01 Help ▾  
 Condition  
 BPM to be Calibrated :  
 SPC24  
 Direction :  
 Horizontal  Vertical  
 Used Components :  
 BPM : SPC24  
 Steering : {{("SYC21",1)}}  
 from -2  
 to 2  
 number 5  
 Q magnet: QDC24  
 from -1  
 to 1  
 number 8  
 next remem. save  
 GO READ  
 Display  
 BPM : Steering step :  
 SPC34 FR  
 Result  
 When the beam is at the Q center :  
 BPM reading [mm]: .02585  
 error [mm]: .00406  
 Last BPM taken into account :  
 SPC24  
 rel. curr. thresh. : .7  
 FR Ck1 Save

File Edit Window

residual = .133 mm

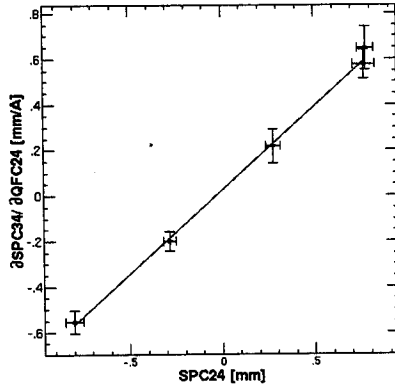


Hard Copy

12 Nov 2016 11:21:01 Help ▾  
 Condition  
 BPM to be Calibrated :  
 SPC24  
 Direction :  
 Horizontal  Vertical  
 Used Components :  
 BPM : SPC24  
 Steering : {{("SYC21",1)}}  
 from -2  
 to 2  
 number 5  
 Q magnet: QDC24  
 from -1  
 to 1  
 number 8  
 next remem. save  
 GO READ  
 Display  
 BPM : Steering step :  
 SPC34 FR  
 Result  
 When the beam is at the Q center :  
 BPM reading [mm]: .02585  
 error [mm]: .00406  
 Last BPM taken into account :  
 SPC24  
 rel. curr. thresh. : .7  
 FR Ck1 Save

SPC34	0.004	0.008	( 0.133)
SPC44	0.586	0.176	( 0.155)
SPC54	0.030	0.005	( 0.100)
SPC64	0.057	0.021	( 0.130)
SPC74	0.049	0.012	( 0.094)

File Edit Window

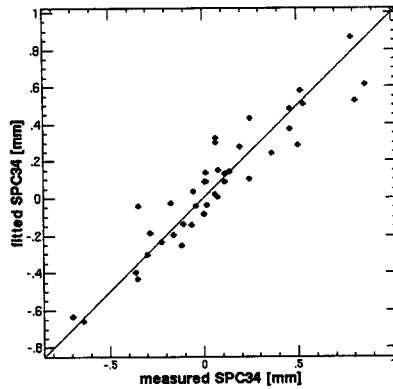


Hard Copy

Condition  
 BPM to be Calibrated :  
 SPC24  
 Direction :  
 Horizontal  $\leftrightarrow$  Vertical  
 Used Components :  
 BPM : SPC24  
 Steering : {{'SYC21',1}}  
 from -2  
 to 2  
 number 5  
 Q magnet: QFC24  
 from -1  
 to 1  
 number 8  
 next remem. save  
 GO READ  
 Display  
 BPM : Steering step :  
 SPC34 Fit  
 Result  
 When the beam is at the Q center :  
 BPM reading [mm]: -.02831  
 error [mm]: .00699  
 Last BPM taken into account :  
 SPC74  
 rel. curr. thresh. : .7  
 Fit Chk I Save

File Edit Window

residual = .133 mm

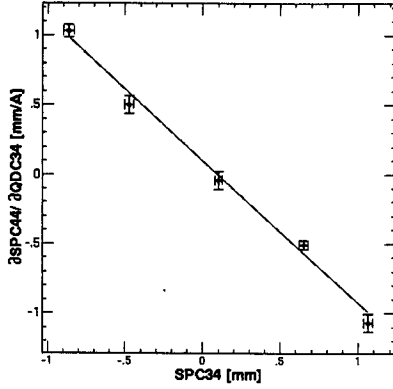


Hard Copy

Condition  
 BPM to be Calibrated :  
 SPC24  
 Direction :  
 Horizontal  $\leftrightarrow$  Vertical  
 Used Components :  
 BPM : SPC24  
 Steering : {{'SYC21',1}}  
 from -2  
 to 2  
 number 5  
 Q magnet: QFC24  
 from -1  
 to 1  
 number 8  
 next remem. save  
 GO READ  
 Display  
 BPM : Steering step :  
 SPC34 Fit  
 Result  
 When the beam is at the Q center :  
 BPM reading [mm]: -.02831  
 error [mm]: .00699  
 Last BPM taken into account :  
 SPC74  
 rel. curr. thresh. : .7  
 Fit Chk I Save

SPC34	-0.029	0.013	( 0.133)
SPC44	1.837	1.442	( 0.171)
SPC54	-0.022	0.009	( 0.091)
SPC64	0.204	0.047	( 0.114)
SPC74	-0.203	0.031	( 0.147)

File Edit Window



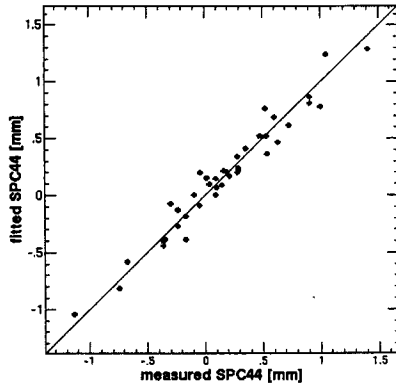
Hard Copy

12.06.2016 11:10:18 Help

Condition  
 BPM to be Calibrated :  
 SPC34  
 Direction :  
 Horizontal  $\leftrightarrow$  Vertical  
 Used Components :  
 BPM : SPC34  
 Steering : {{'SYC31',1}}  
 from -2  
 to 2  
 number 5  
 Q magnet: QDC34  
 from -1  
 to 1  
 number 8  
 next remem. save  
 GO READ  
 Display  
 BPM : Steering step :  
 SPC44 RL  
 Result  
 When the beam is at the Q center :  
 BPM reading [mm]: .06148  
 error [mm]: .00306  
 Last BPM taken into account :  
 SPC34  
 rel. curr. thresh.: .7  
 RL Ok | Save

File Edit Window

residual = .122 mm



Hard Copy

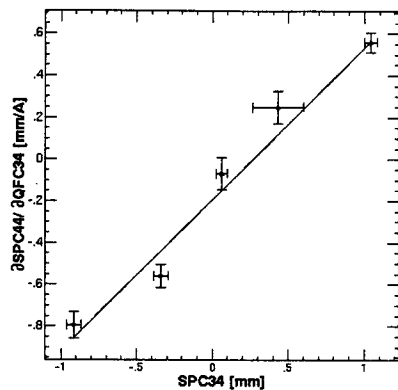
12.06.2016 11:10:18 Help

Condition  
 BPM to be Calibrated :  
 SPC34  
 Direction :  
 Horizontal  $\leftrightarrow$  Vertical  
 Used Components :  
 BPM : SPC34  
 Steering : {{'SYC31',1}}  
 from -2  
 to 2  
 number 5  
 Q magnet: QDC34  
 from -1  
 to 1  
 number 8  
 next remem. save  
 GO READ  
 Display  
 BPM : Steering step :  
 SPC44 RL  
 Result  
 When the beam is at the Q center :  
 BPM reading [mm]: .06148  
 error [mm]: .00306  
 Last BPM taken into account :  
 SPC34  
 rel. curr. thresh.: .7  
 RL Ok | Save

SPC44	0.061	0.007	( 0.122)
SPC54	0.004	0.010	( 0.106)
SPC64	0.056	0.004	( 0.080)
SPC74	0.079	0.007	( 0.119)
SPC84	0.224	0.020	( 0.154)



File Edit Window

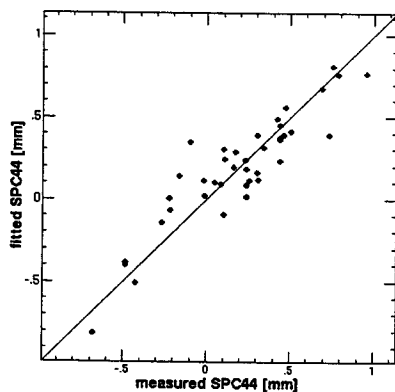


Hard Copy

Condition  
 BPM to be Calibrated :  
 SPC34  
 Direction :  
 Horizontal  Vertical  
 Used Components :  
 BPM : SPC34  
 Steering : ((SYC31,1))  
 from -2  
 to 2  
 number 5  
 Q magnet: QFC34  
 from -1  
 to 1  
 number 8  
 next remem. save  
 GO READ  
 Display  
 BPM : Steering step :  
 SPC44 R1  
 Result  
 When the beam is at the Q center :  
 BPM reading [mm]: .29838  
 error [mm]: .00766  
 Last BPM taken into account :  
 SPC34  
 rel. curr. thresh. : .7  
 R1 Ok I Save

File Edit Window

residual = .165 mm

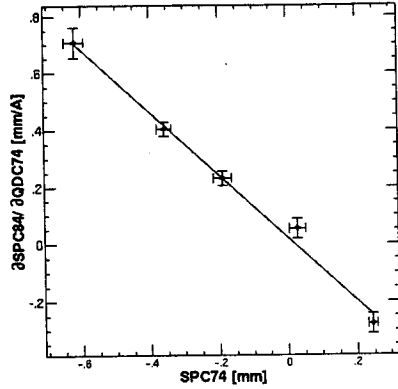


Hard Copy

Condition  
 BPM to be Calibrated :  
 SPC34  
 Direction :  
 Horizontal  Vertical  
 Used Components :  
 BPM : SPC34  
 Steering : ((SYC31,1))  
 from -2  
 to 2  
 number 5  
 Q magnet: QFC34  
 from -1  
 to 1  
 number 8  
 next remem. save  
 GO READ  
 Display  
 BPM : Steering step :  
 SPC44 R10  
 Result  
 When the beam is at the Q center :  
 BPM reading [mm]: .29838  
 error [mm]: .00766  
 Last BPM taken into account :  
 SPC34  
 rel. curr. thresh. : .7  
 R1 Ok I Save

SPC44	0.282	0.018	( 0.165)
SPC54	0.349	0.037	( 0.149)
SPC64	0.299	0.012	( 0.115)
SPC74	0.309	0.013	( 0.137)
SPC84	0.253	0.031	( 0.192)

File Edit Window



Hard Copy

12/06/2003 17:55:07 Help

Condition  
BPM to be Calibrated :  
SPC74

Direction :  
Horizontal  Vertical

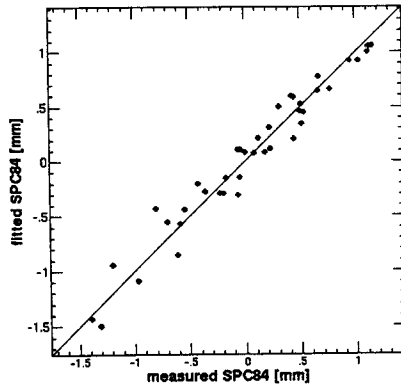
Used Components :  
BPM : SPC74  
Steering : {{'SYC71',1}}  
from -1  
to 1  
number 5  
Q magnet: QDC74  
from -1  
to 1  
number 8  
next remem. save  
GO READ

Display  
BPM : Steering step :  
SPC84 Rt

Result  
When the beam is at the Q center :  
BPM reading [mm]: .02538  
error [mm]: .00508  
Last BPM taken into account :  
SP144  
rel. curr. thresh. : .7  
Rt Ok I Save

File Edit Window

residual = .154 mm



Hard Copy

12/06/2003 17:55:07 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: QDC74  
from -1  
to 1  
number 8  
next remem. save  
GO READ

Display  
BPM : Steering step :  
SPC84 Rt

Result  
When the beam is at the Q center :  
BPM reading [mm]: .02538  
error [mm]: .00508  
Last BPM taken into account :  
SP144  
rel. curr. thresh. : .7  
Rt Ok I Save

SPC84	0.020	0.012	( 0.154)
SP114	0.018	0.008	( 0.086)
SP124	0.031	0.009	( 0.080)
SP134	-0.311	0.992	( 0.098)
SP144	0.079	0.025	( 0.175)