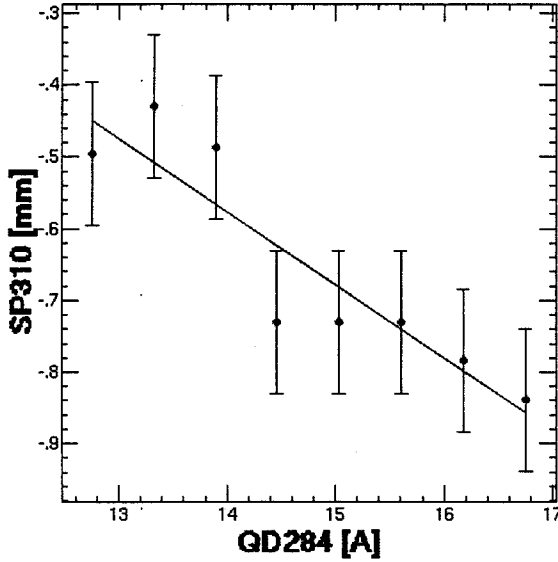


SP\_28\_4 Horizontal



Condition  
BPM to be Calibrated :  
SP284

Direction :  
Horizontal Vertical

Used Components :  
BPM : SP284  
Steering : {"SX273",1}  
from -2 -2 -2 -2 -2 -2  
to 2 2 2 2 2 2  
number 4 4 4 4 4 4  
Q magnet: QD284  
from -2 -2 -2 -2 -2 -2  
to 2 2 2 2 2 2  
number 8 8 8 8 8 8

next remem. save

GO READ

Display  
BPM : Steering step :  
SP310 1

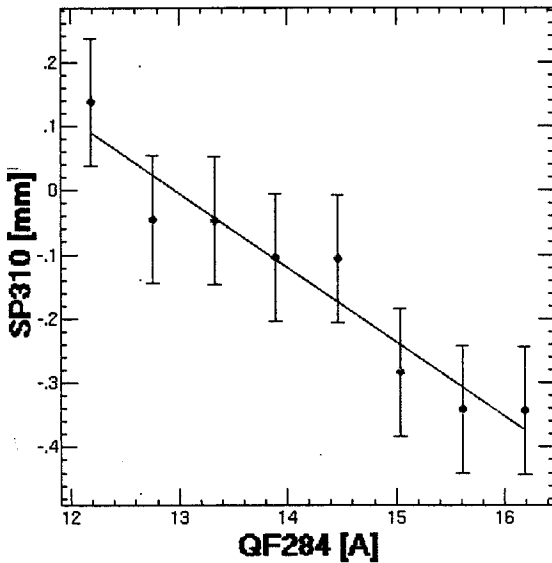
Result  
When the beam is at the Q center :  
BPM reading [mm]: .0117 17 17 17 7 17  
error [nm]: 6.55347E-4 -4 -4 -4 -4 -4

Last BPM taken into account :  
SP584

rel. curr. thresh. : .7 .7 .7 .7 .7 .7

Fit Chk I Save

SP\_28\_4 Vertical



Condition  
BPM to be Calibrated :  
SP284

Direction :  
Horizontal Vertical

Used Components :  
BPM : SP284  
Steering : {"SY273",1}  
from -2 -2 -2 -2 -2 -2  
to 2 2 2 2 2 2  
number 4 4 4 4 4 4  
Q magnet: QF284  
from -2 -2 -2 -2 -2 -2  
to 2 2 2 2 2 2  
number 8 8 8 8 8 8

next remem. save

GO READ

Display  
BPM : Steering step :  
SP310 1

Result  
When the beam is at the Q center :  
BPM reading [mm]: .14216 16 16 16 16 16  
error [nm]: .00133 33 133 33 33 33

Last BPM taken into account :  
SP384

rel. curr. thresh. : .7 .7 .7 .7 .7 .7

Fit Chk I Save

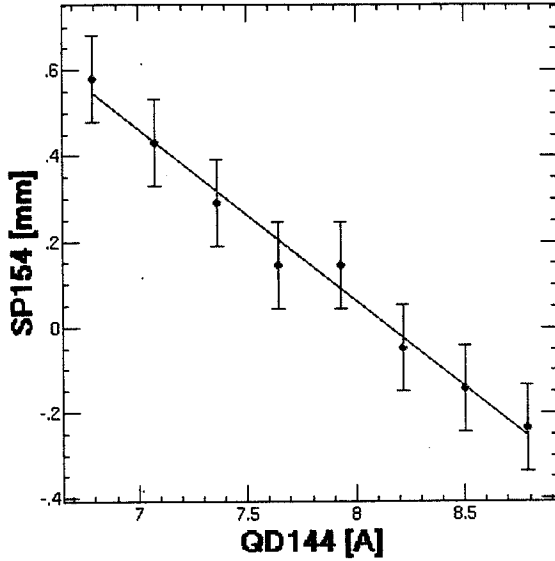
File Edit Window

07/02/2008 07:33:07 Help

SP14.4 Horizontal

Steering 元は SXB1, SXB3 であったが  
 SX-B.1 -4.5A, SX-B.3 -3A にかかっていたため

SX11.1, SX11.3 に変更した。

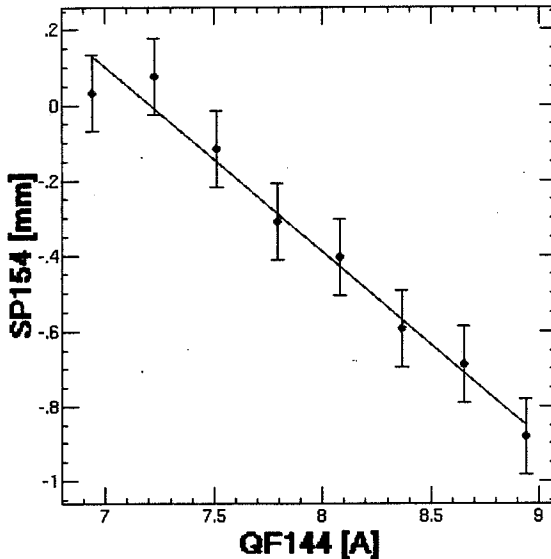


BpmCent on lcg5.linac.kek.jp:0.0

File Edit Window

07/02/2008 07:47:16 Help

SP14.4 Vertical



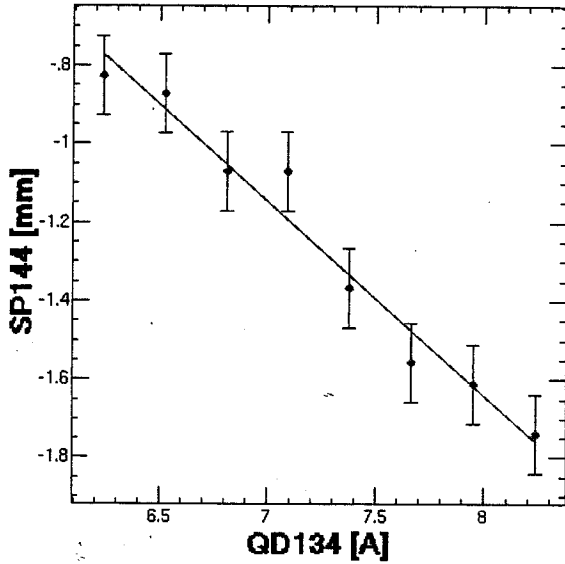
BpmCent on lcg5.linac.kek.jp:0.0

Condition  
 BPM to be Calibrated :  
 SP144  
 Direction :  
 Horizontal Vertical  
 Used Components :  
 BPM : SP144  
 Steering : {{"SX111",1}},"SX1X1 X1 X1 X1 X1  
 from -4 -4 -4 -4 -4  
 to 0 0 0 0 0  
 number 4 4 4 4 4  
 Q magnet: QD144  
 from -1 -1 -1 -1 -1  
 to 1 1 1 1 1  
 number [input fields]  
 next remem. save  
 GO READ  
 Display  
 BPM : Steering step :  
 SP154 1  
 Result  
 When the beam is at the Q center :  
 BPM reading [mm]: -1.9807 07 37 07 37 07  
 error [mm]: .00439 39 39 39 39 39  
 Last BPM taken into account :  
 SP174  
 rel. curr. thresh. : .7 .7 .7 .7 .7  
 Fit Chk I Save

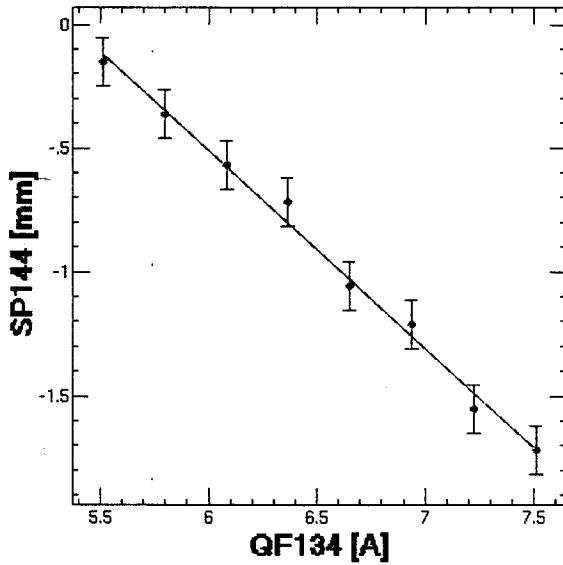
Condition  
 BPM to be Calibrated :  
 SP144  
 Direction :  
 Horizontal Vertical  
 Used Components :  
 BPM : SP144  
 Steering : {{"SY131",1}}  
 from -1 -1 -1 -1 -1  
 to 3.5 3.5 3.5 3.5 3.5  
 number 4 4 4 4 4  
 Q magnet: QF144  
 from -1 -1 -1 -1 -1  
 to 1 1 1 1 1  
 number [input fields]  
 next remem. save  
 GO READ  
 Display  
 BPM : Steering step :  
 SP154 1  
 Result  
 When the beam is at the Q center :  
 BPM reading [mm]: .20316 16 16 16 16 16  
 error [mm]: .00397 97 37 37 97 97  
 Last BPM taken into account :  
 SP174  
 rel. curr. thresh. : .7 .7 .7 .7 .7  
 Fit Chk I Save

SP\_13\_4 Horizontal

\* Steering SX\_11-1, SX\_11-3  
 SX\_12-1, SX\_12-3



SP\_13\_4 Vertical



Condition  
 BPM to be Calibrated :  
 SP134

Direction :  
 Horizontal Vertical

Used Components :  
 BPM : SP134  
 Steering : 111°,1),(SX113°,1),(1°),1),1),1),1)  
 from -5 -5 -5 -5 -5  
 to -3 -3 -3 -3 -3  
 number 4 4 4 4 4  
 Q magnet: QD134  
 from -1 -1 -1 -1 -1  
 to 1 1 1 1 1  
 number 8 8 8 8 8

next remem. save

GO READ

Display  
 BPM : Steering step :  
 SP144 1

Result  
 When the beam is at the Q center :  
 BPM reading [mm]: -0.7084 184 184 184 184  
 error [mm]: .00404 104 104 104 104  
 Last BPM taken into account :  
 SP2333  
 rel. curr. thresh. : .7 .7 .7 .7 .7

Fit Chk I Save

Condition  
 BPM to be Calibrated :  
 SP134

Direction :  
 Horizontal Vertical

Used Components :  
 BPM : SP134  
 Steering : 121°,1),(SY123°,1), SY123°,1)  
 from -1 -1 -1  
 to 1.5 1.5 1.5  
 number 4 4 4  
 Q magnet: QF134  
 from -1 -1 -1  
 to 1 1 1  
 number 8 8 8

next remem. save

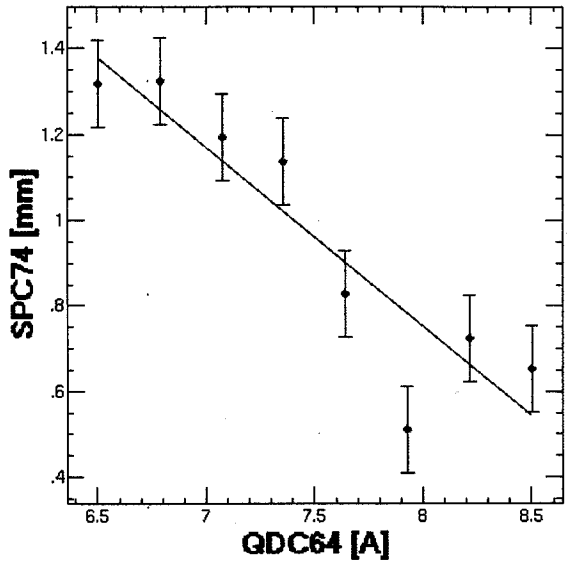
GO READ

Display  
 BPM : Steering step :  
 SP144 1

Result  
 When the beam is at the Q center :  
 BPM reading [mm]: -5319 19 119 319 5319  
 error [mm]: .00344 44 144 344 5344  
 Last BPM taken into account :  
 SP613  
 rel. curr. thresh. : .7 .7 .7 .7 .7

Fit Chk I Save

SPC64 Horizontal



Condition

BPM to be Calibrated : SPC64

Direction :  Horizontal  Vertical

Used Components :

BPM : SPC64

Steering : {"SXC61",1}

from	1	1	1	1	1
to	4	4	4	4	4
number	4	4	4	4	4

Q magnet: QDC64

from	-1	-1	-1	-1	-1
to	1	1	1	1	1
number					

next remem. save

GO READ

Display

BPM : SPC74 Steering step : 1

Result

When the beam is at the Q center :

BPM reading [mm]: .9138888888888888

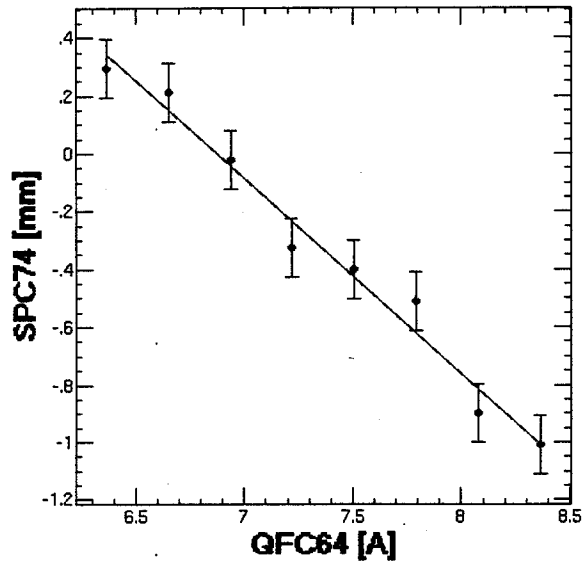
error [mm]: .03028282828282828

Last BPM taken into account : SP2343

rel. curr. thresh. : 7.7.7.7.7.7

Fit Chk I Save

SPC64 Vertical



Condition

BPM to be Calibrated : SPC64

Direction :  Horizontal  Vertical

Used Components :

BPM : SPC64

Steering : {"SYC61",1}

from	-1	-1	-1	-1	-1
to	3	3	3	3	3
number	4	4	4	4	4

Q magnet: QFC64

from	-1	-1	-1	-1	-1
to	1	1	1	1	1
number					

next remem. save

GO READ

Display

BPM : SPC74 Steering step : 1

Result

When the beam is at the Q center :

BPM reading [mm]: -.2462474747474747

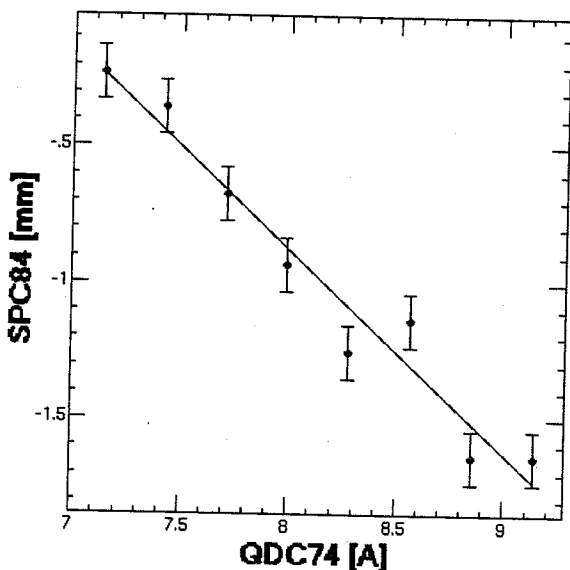
error [mm]: .00647171717171717

Last BPM taken into account : SP243

rel. curr. thresh. : 7.7.7.7.7.7

Fit Chk I Save

Q-SPCT-4 Horizontal



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Condition

BPM to be Calibrated :

SPC74

Direction :

Horizontal Vertical

Used Components :

BPM :

SPC74

Steering :

{{"SXC61",1},{"SXC",0},{"SXC",0},{"SXC",0},{"SXC",0}}

from

-1.5 5 5 5 5

to

1.5 5 5 5 5

number

4 4 4 4 4

Q magnet:

QDC74

from

-1 -1 -1 -1 -1

to

1 1 1 1 1

number

8 8 8 8 8

next remem. save

GO

READ

Display

BPM :

Steering step :

SPC84

1

Result

When the beam is at the Q center :

BPM reading [mm]: -2.7921 1 2 1 1 2 1

error [mm]: .00309 9 9 9 19 19 09

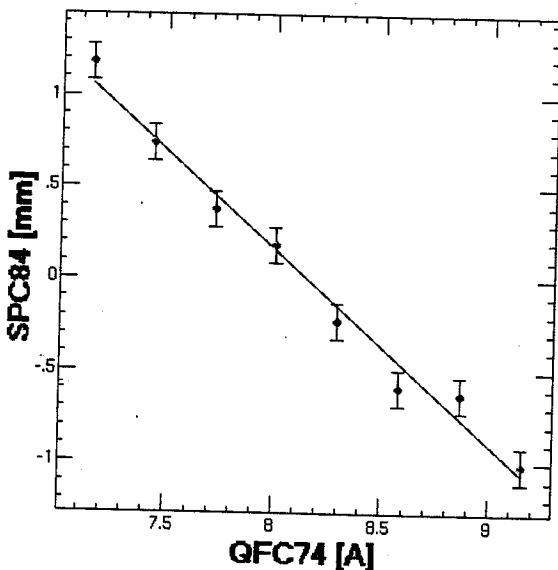
Last BPM taken into account :

SP242

rel. curr. thresh. : 7.7 7.7 7.7 7.7

Fit Chk I Save

SPCT-4 Vertical



BpmCent on fcg5.jlnac.kek.jp:0.0

Condition

BPM to be Calibrated :

SPC74

Direction :

Horizontal Vertical

Used Components :

BPM :

SPC74

Steering :

61,1,1,("SYC63",1),}}}}}}}}}}}}

from

-1 -1 -1 -1 -1

to

1 1 1 1 1

number

4 4 4 4 4

Q magnet:

QFC74

from

-1 -1 -1 -1 -1

to

1 1 1 1 1

number

8 8 8 8 8

next remem. save

GO

READ

Display

BPM :

Steering step :

SPC84

1

Result

When the beam is at the Q center :

BPM reading [mm]: .44893 3 3 3 93 93

error [mm]: .00452 2 2 2 52 52

Last BPM taken into account :

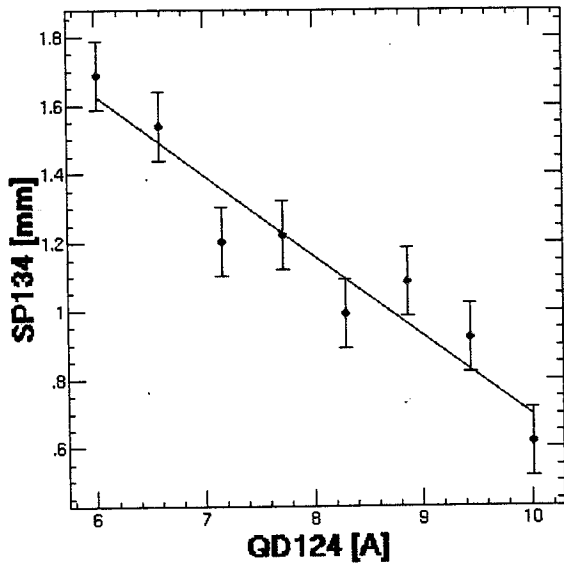
SP174

rel. curr. thresh. : 7.7 7.7 7.7 7.7

Fit Chk I Save

File Edit Window

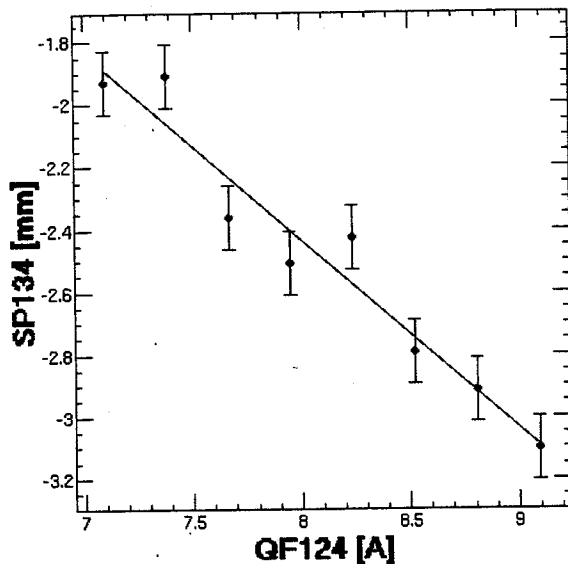
SP12-4 Horizontal  
Steering SX111 → SX113



BpmCent on lcg5.linac.kek.jp:0.0

File Edit Window

SP12-4 Vertical



BpmCent on lcg5.linac.kek.jp:0.0

07/03/2008 02:50:03 Help

Condition  
BPM to be Calibrated :  
SP124

Direction :  
Horizontal Vertical

Used Components :  
BPM : SP124  
Steering : {{"SX113",1}}

from	0 0 0 0 0 0
to	3 3 3 3 3 3
number	4 4 4 4 4 4

Q magnet: QD124

from	-2 -2 -2 -2 -2 -2
to	2 2 2 2 2 2
number	8 8 8 8 8 8

next remem. save

GO READ

Display  
BPM : Steering step :  
SP134 1

Result  
When the beam is at the Q center :  
BPM reading [mm]: .03231 11 1131 31 31  
error [mm]: .00158 18 1818 58 58

Last BPM taken into account :  
SP584

rel. curr. thresh. : 7.7 7.7 7.7

Fit Chk I Save

07/03/2008 03:08:52 Help

Condition  
BPM to be Calibrated :  
SP124

Direction :  
Horizontal Vertical

Used Components :  
BPM : SP124  
Steering : 11",1},{("SY113",1)} } } } }

from	-2 -2 -2 -2 -2 -2
to	0 0 0 0 0 0
number	4 4 4 4 4 4

Q magnet: QF124

from	-1 -1 -1 -1 -1 -1
to	1 1 1 1 1 1
number	8 8 8 8 8 8

next remem. save

GO READ

Display  
BPM : Steering step :  
SP134 1

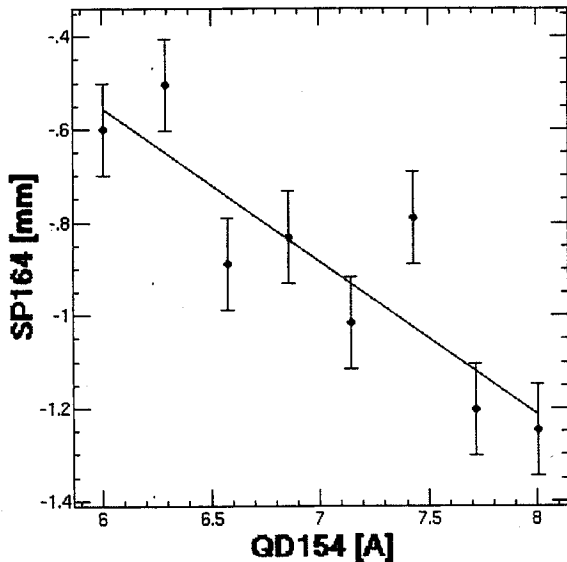
Result  
When the beam is at the Q center :  
BPM reading [mm]: .09583 13 3383 33 33  
error [mm]: .00364 14 1464 14 14

Last BPM taken into account :  
SP584

rel. curr. thresh. : 7.7 7.7 7.7

Fit Chk I Save

SP\_15\_4 Horizontal



Condition

BPM to be Calibrated :

SP154

Direction :

Horizontal Vertical

Used Components :

BPM :

SP154

Steering :

{{"SX141",1}}

from

-1 -1 -1 -1 -1

to

3 3 3 3 3

number

4 4 4 4 4

Q magnet:

QD154

from

-1 -1 -1 -1 -1

to

1 1 1 1 1

number

8 8 8 8 8

next

remem.

save

GO

READ

Display

BPM :

Steering step :

SP164

1

Result

When the beam is at the Q center :

BPM reading [mm]:

.07702 12 12 2 12 02

error [mm]:

.01398 38 18 8 18 38

Last BPM taken into account :

SP174

rel. curr. thresh. :

7 7 7 7 7

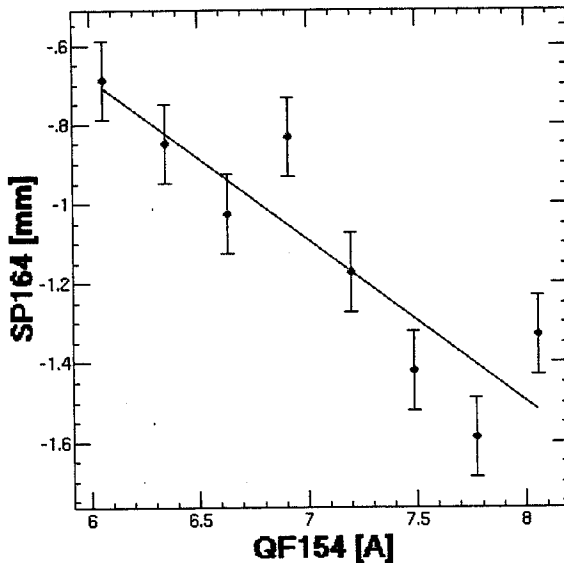
Fit

Chk I

Save

BpmCent on lcg5.linac.kek.jp:0.0

SP\_15\_4 Vertical



Condition

BPM to be Calibrated :

SP154

Direction :

Horizontal Vertical

Used Components :

BPM :

SP154

Steering :

{{"SY141",1}}

from

-2 -2 2 -2 2 -2

to

2 2 2 2 2 2

number

4 4 4 4 4 4

Q magnet:

QF154

from

-1 -1 -1 -1 -1

to

1 1 1 1 1

number

8 8 8 8 8

next

remem.

save

GO

READ

Display

BPM :

Steering step :

SP164

1

Result

When the beam is at the Q center :

BPM reading [mm]:

.06616 6 16 6 16 6 16

error [mm]:

.00132 12 32 12 32 12 32

Last BPM taken into account :

SP584

rel. curr. thresh. :

7 7 7 7 7 7

Fit

Chk I

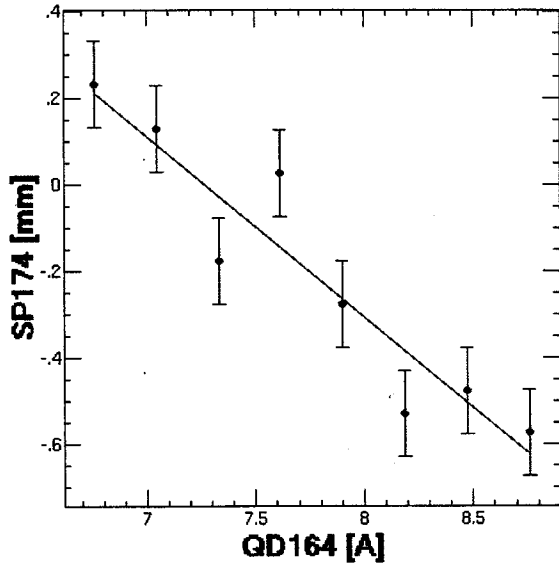
Save

BpmCent on lcg5.linac.kek.jp:0.0

File Edit Window

07/03/2008 04:46:45 Help

SP\_16\_4 Horizontal  
Steering SX\_15\_1 → SX\_15\_3  
(124)



BpmCent on lcg5.lnqc.kek.jp:0.0

File Edit Window

Condition  
BPM to be Calibrated :  
SP164

Direction :  
Horizontal Vertical

Used Components :  
BPM : SP164  
Steering : {"SX153",1}  
from -2 2 -2 -2 -2  
to 3 3 3 3 3  
number 4 4 4 4 4  
Q magnet: QD164  
from -1 1 -1 -1 -1  
to 1 1 1 1 1  
number       
next remem. save

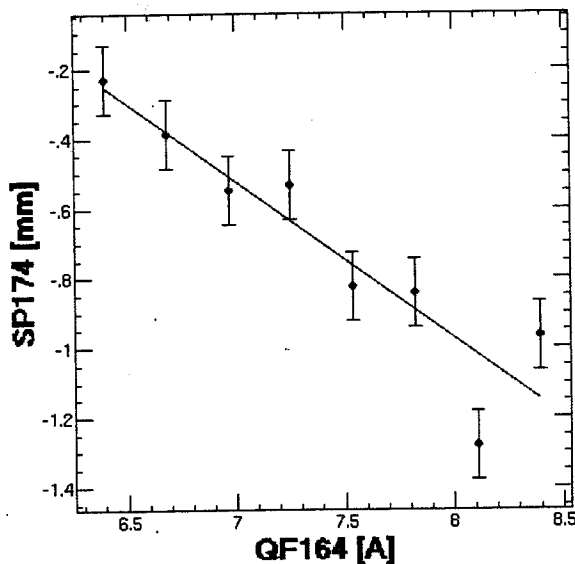
GO READ

Display  
BPM : SP174 Steering step : 1

Result  
When the beam is at the Q center :  
BPM reading [mm]: -1.9871 1 1 1 1 7  
error [mm]: .01492 2 12 2 12 9  
Last BPM taken into account :  
SP2343  
rel. curr. thresh. : .77 .77 .77  
Fit Chk I Save

07/03/2008 04:53:41 Help

SP\_16\_4 Vertical  
Steering SY\_15\_1 → SY\_15\_3  
(124)



BpmCent on lcg5.lnqc.kek.jp:0.0

Condition  
BPM to be Calibrated :  
SP164

Direction :  
Horizontal Vertical

Used Components :  
BPM : SP164  
Steering : {"SY153",1}  
from -1 -1 -1 -1 -1  
to 3 3 3 3 3  
number 4 4 4 4 4  
Q magnet: QF164  
from -1 -1 -1 -1 -1  
to 1 1 1 1 1  
number       
next remem. save

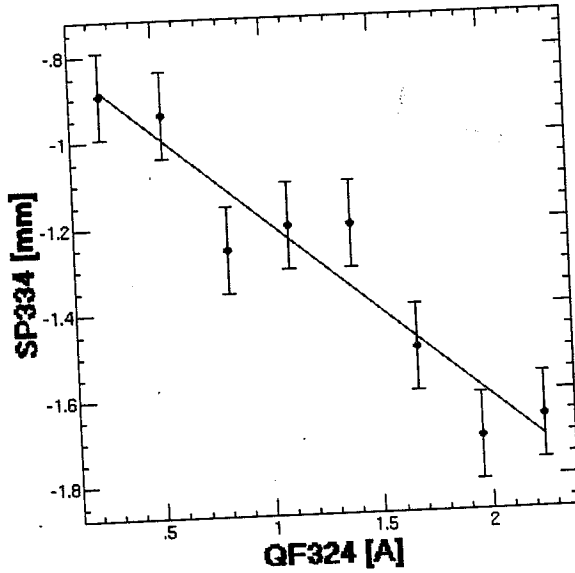
GO READ

Display  
BPM : SP174 Steering step : 1

Result  
When the beam is at the Q center :  
BPM reading [mm]: .205525252 12 12 12 12 12  
error [mm]: .056913131 11 11 11 11 11  
Last BPM taken into account :  
SP174  
rel. curr. thresh. : .77 .77 .77  
Fit Chk I Save



SP-32-4 Vertical



Condition  
BPM to be Calibrated :  
SP324

Direction :  
Horizontal  Vertical

Used Components :  
BPM : SP324  
Steering : {"SY313",1}

from	-1	-1	-1	-1	-1
to	4	4	4	4	4
number	4	4	4	4	4

Q magnet: QF324

from	-1	-1	-1	-1	-1
to	1	1	1	1	1
number	8	8	8	8	8

next remem. save

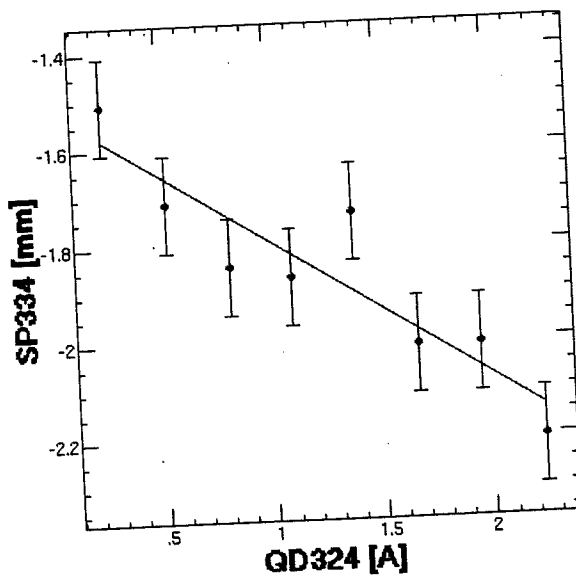
GO READ

Display BPM : SP334 Steering step : 1

Result  
When the beam is at the Q center :  
BPM reading [mm]: .39137 37 37 37 37 37  
error [mm]: .01349 49 49 49 49 49  
Last BPM taken into account :  
SP364  
rel. curr. thresh. : 7 7 7 7 7 7

Fit Chk I Save

SP-32-4 Horizontal



Condition  
BPM to be Calibrated :  
SP324

Direction :  
 Horizontal Vertical

Used Components :  
BPM : SP324  
Steering : {"SX313",1}

from	-3	-3	-3	-3	-3
to	1	1	1	1	1
number	4	4	4	4	4

Q magnet: QD324

from	-1	-1	-1	-1	-1
to	1	1	1	1	1
number	8	8	8	8	8

next remem. save

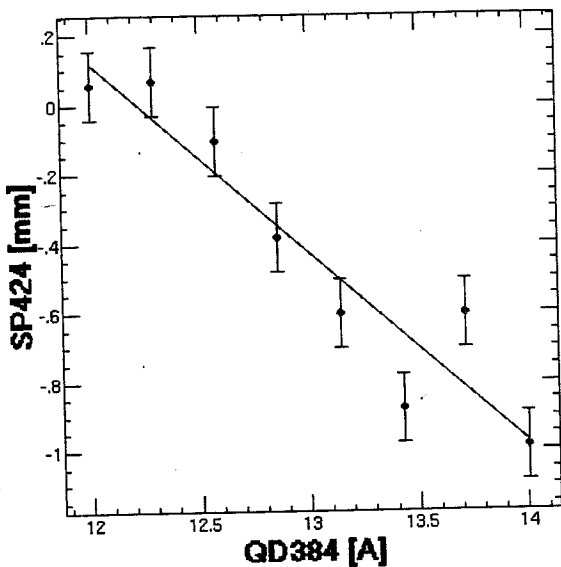
GO READ

Display BPM : SP334 Steering step : 1

Result  
When the beam is at the Q center :  
BPM reading [mm]: .26152 2 12 52 12 52  
error [mm]: .00988 8 18 38 18 38  
Last BPM taken into account :  
SP613  
rel. curr. thresh. : 7 7 7 7 7 7

Fit Chk I Save

SP384 Horizontal



Condition  
BPM to be Calibrated :  
SP384

Direction :  
Horizontal Vertical

Used Components :  
BPM : SP384  
Steering : {"SX373",1}

from -1 -1 -1 -1 -1  
to

number 4 4 4 4 4

Q magnet: QD384  
from -1 -1 -1 -1 -1  
to 1 1 1 1 1  
number 8 8 8 8 8

next remem. save

GO READ

Display  
BPM : SP424 Steering step : 1

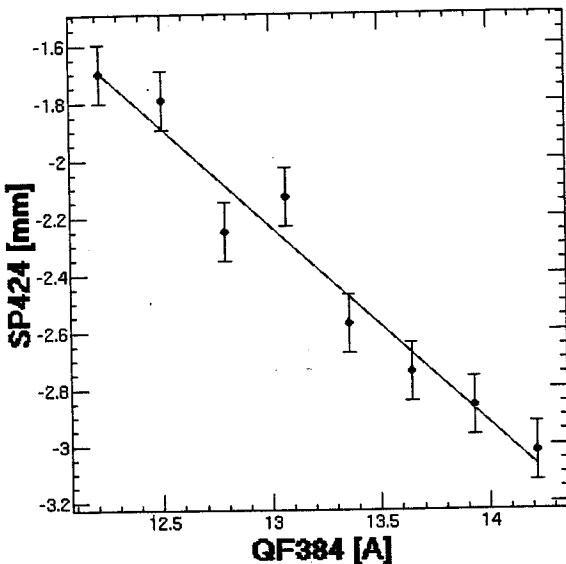
Result  
When the beam is at the Q center :  
BPM reading [mm]: .15959 8 59 59 59 59  
error [mm]: .01023 3 23 23 23 23

Last BPM taken into account :  
SP613

rel. curr. thresh. : .7 .7 .7 .7 .7

Fit Chk I Save

SP384 Vertical  
ste SY373 → SY371



Condition  
BPM to be Calibrated :  
SP384

Direction :  
Horizontal Vertical

Used Components :  
BPM : SP384  
Steering : {"SY371",1}

from -4.5 1.5 1.5 1.5 4.5  
to -5 -5 -5 -5 -5  
number 4 4 4 4 4

Q magnet: QF384  
from -1 -1 -1 -1 -1  
to 1 1 1 1 1  
number

next remem. save

GO READ

Display  
BPM : SP424 Steering step : 1

Result  
When the beam is at the Q center :  
BPM reading [mm]: .23567167 57 67 67 67  
error [mm]: .00592192 32 92 92 92

Last BPM taken into account :  
SP584

rel. curr. thresh. : .7 .7 .7 .7 .7

Fit Chk I Save