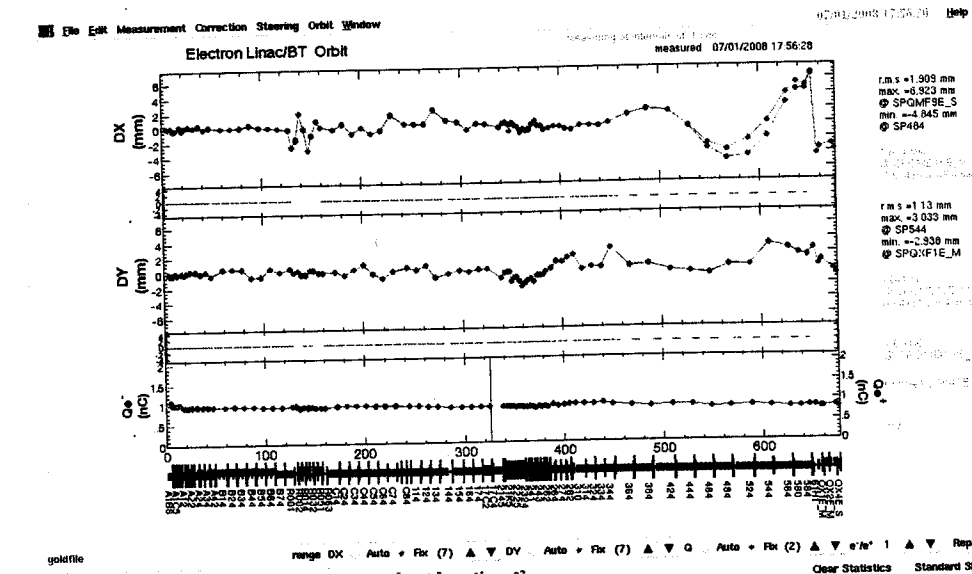
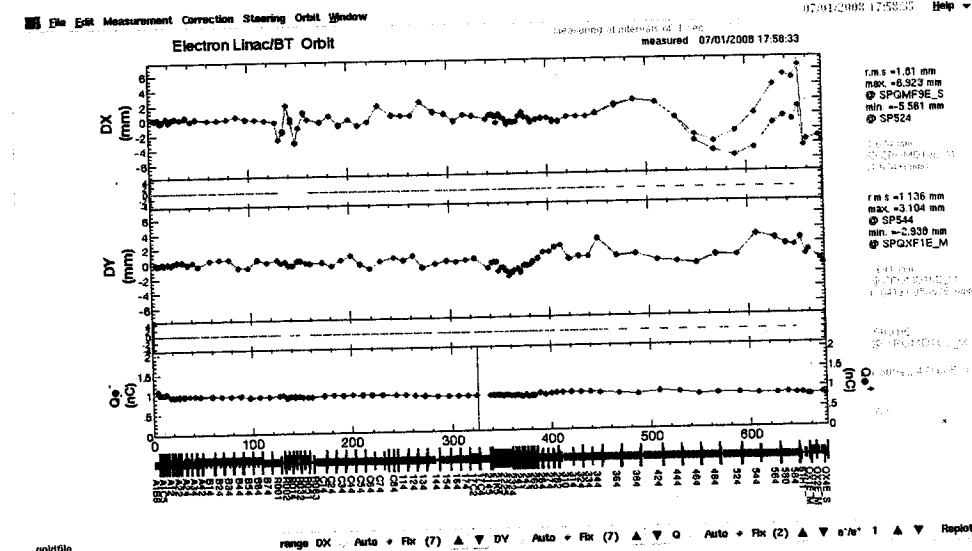
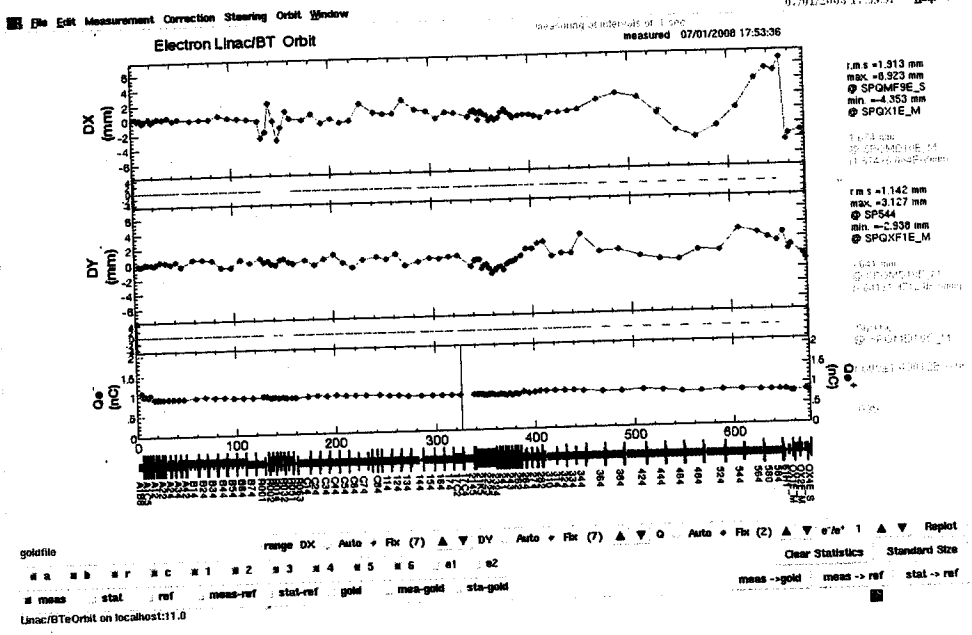
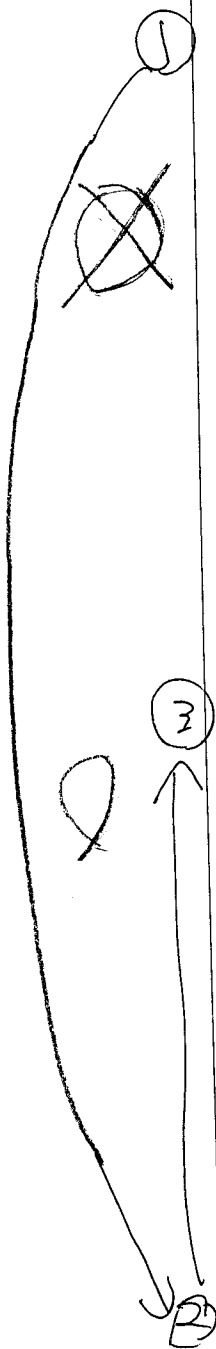


KEKB-42 大田ノ7-2 2008の orbit ^{ECS} 800 万回を合計して

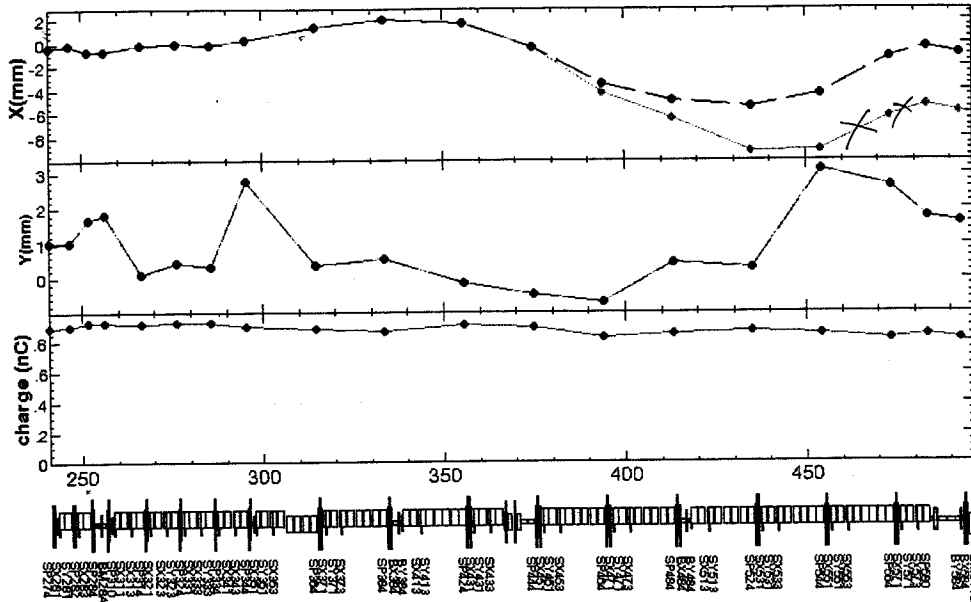


☆
Bump 1 &
Bump 2 〇N

Bump last
ON

File Edit Window

07/01/2008 17:58:38 Help



		PF	
s1(m)	240.0	PFA1 e-	SP564 DX(mm) 0
s2(m)	496.1	KEKB e-	SP580 DX(mm) 0
symbol	B(XY)*I(S(XY)*I	Set Ref BPM	KEKB e-
Start	Stop	Clear Ref BPM	SP580 DX(mm) -5
		Set Steer	SP584 DX(mm) <input type="text" value="-5"/>
		Clear Steer	Correct
			Calc Plot

Orbit Tuning(PF,C-5 sector) on localhost:11.0

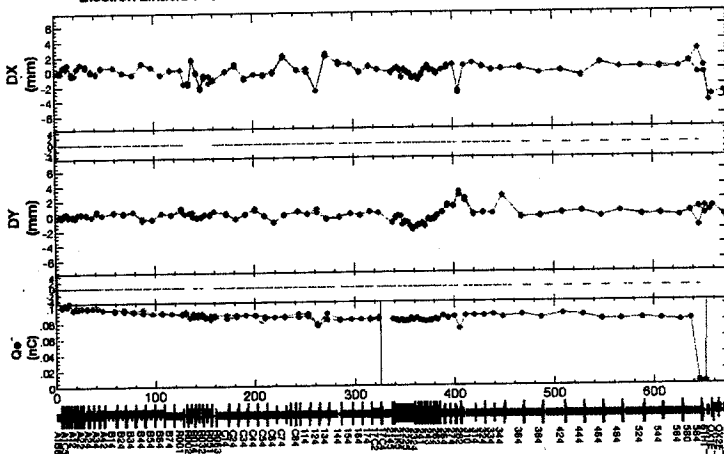
PFA1E-4 (STIは ~~KEKB e-~~ ~~SP580~~ ~~DX(mm)~~ ~~-5~~ ~~SP584~~ ~~DX(mm)~~ ~~-5~~)

Measurement Correction Steering Orbit Window

07/01/2008 18:07:49 Help

Electron Linac/BT Orbit

measured 07/01/2008 18:07:49



r.m.s = 1.846 mm
max = 6.923 mm
SPGMF9E_S
min = -4.353 mm
SPGX1E_M

r.m.s = 1.041 mm
max = 2.611 mm
SP284
min = -2.539 mm
SPGX1E_M

goldfile

range DX Auto + Fix (7) Auto + Fix (7) Auto + Fix (1) e/e' 1 Replot

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52

Clear Statistics Standard Size

PFAI-E-L

Ref: PFAI用になしたST状態. 実測点: 大西バンプあり

File Edit Measurement Correction Steering Orbit Window

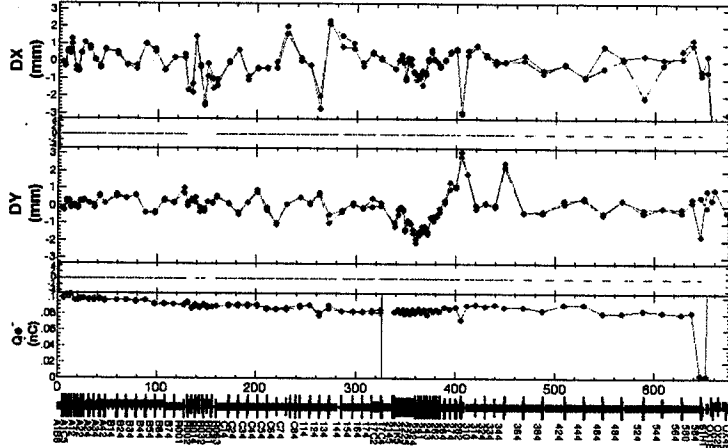
07/01/2008 18:10:00 Help

8:09:30 Help

Electron Linac/BT Orbit

measuring at intervals of 1 sec

measured 07/01/2008 18:09:59



r.m.s = 1.639 mm
max = 6.323 mm
@ SPQWFSE_S
min = -4.353 mm
@ SPOXFIE_M

r = 1.829 mm
k = 3.042 mm
SPQWFSE_S
l = -2.330 mm
SPOXFIE_M

1.974 mm
@ SPQWFSE_M
1.974 mm @ SPQWFSE_M

r.m.s = 1.031 mm
max = 2.815 mm
@ SP284
min = -2.330 mm
@ SPOXFIE_M

r = 1.072 mm
k = 3.042 mm
SP284
l = -2.330 mm
SPOXFIE_M

1.031 mm
@ SPQWFSE_M
1.031 mm @ SPQWFSE_M

0.910 nC
@ SPQWFSE_M
0.910 nC @ SPQWFSE_M

0.910 nC
@ SPQWFSE_M
0.910 nC @ SPQWFSE_M

0.910 nC
@ SPQWFSE_M
0.910 nC @ SPQWFSE_M

0.910 nC
@ SPQWFSE_M
0.910 nC @ SPQWFSE_M

goldfile

range DX Auto + Fix (3) ▲ ▼ DY Auto + Fix (3) ▲ ▼ Qe Auto + Fix (1) ▲ ▼ e/n 1 ▲ ▼ Replot

▲ ▼ Replot

WA WB WF WC WI W2 W3 W4 W5 W6 e1 e2

Clear Statistics Standard Size

Standard Size

実測 - Ref ⇒ 大西バンプ 2個が見える.

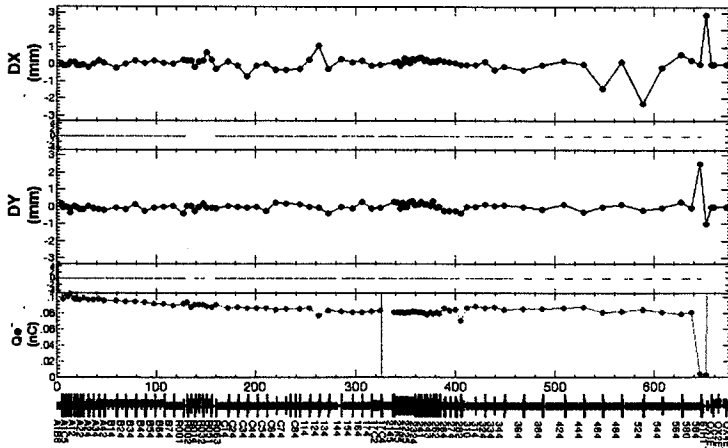
File Edit Measurement Correction Steering Orbit Window

07/01/2008 18:10:29 Help

Electron Linac/BT Orbit

measuring at intervals of 1 sec

measured 07/01/2008 18:10:29



r.m.s = 1.644 mm
max = 6.323 mm
@ SPQWFSE_S
min = -4.353 mm
@ SPOXFIE_M

1.974 mm
@ SPQWFSE_M
1.974 mm @ SPQWFSE_M

r.m.s = 1.034 mm
max = 2.724 mm
@ SP284
min = -2.330 mm
@ SPOXFIE_M

1.034 mm
@ SPQWFSE_M
1.034 mm @ SPQWFSE_M

0.910 nC
@ SPQWFSE_M
0.910 nC @ SPQWFSE_M

goldfile

range DX Auto + Fix (3) ▲ ▼ DY Auto + Fix (3) ▲ ▼ Qe Auto + Fix (1) ▲ ▼ e/n 1 ▲ ▼ Replot

▲ ▼ Replot

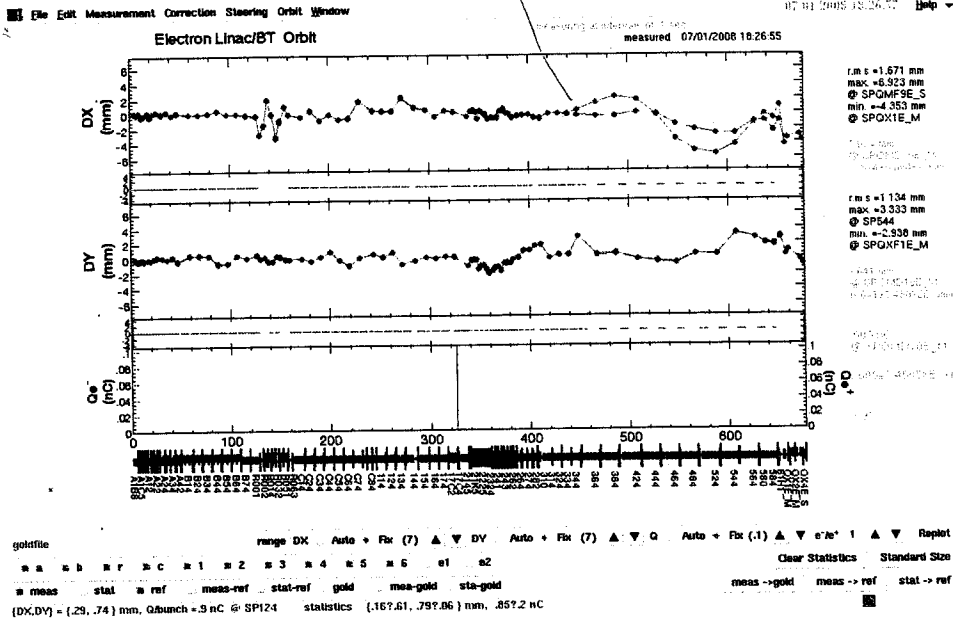
WA WB WF WC WI W2 W3 W4 W5 W6 e1 e2

Clear Statistics Standard Size

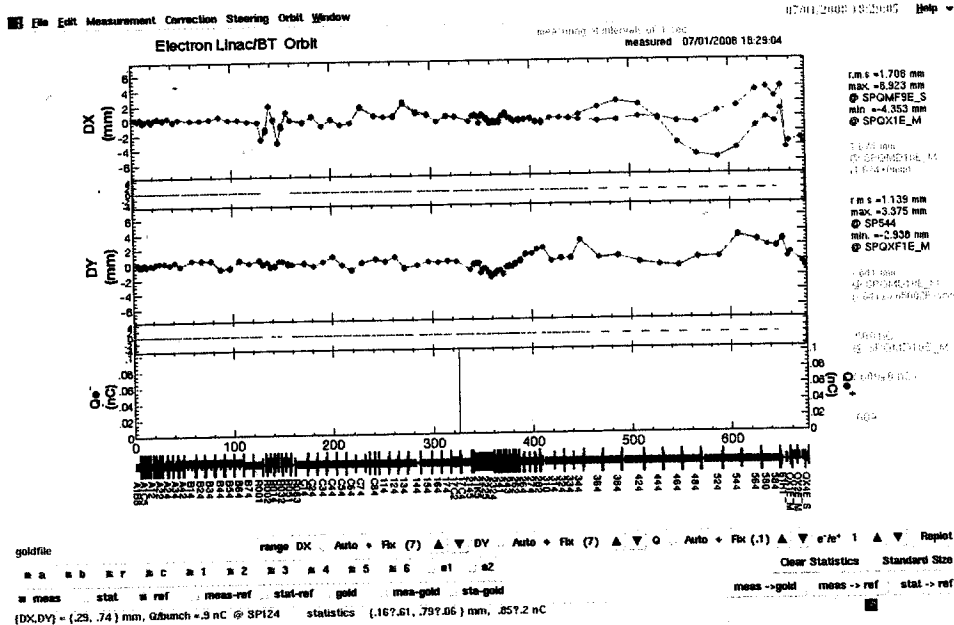
Standard Size

≡ (334.344 付近)
 → PF と R 本が
 ≡ 歪み 割れ があるように見える

KEKB E- γ (歪み → 歪み) → Ref, $\Delta SX-34-1 = 0.0 \rightarrow -3.0 \text{ A} \rightarrow$ 実測点



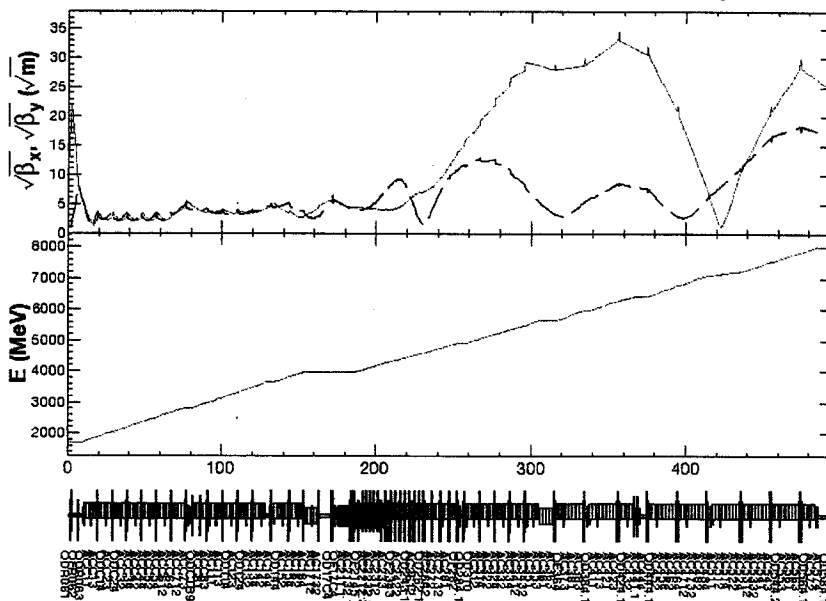
≡ 歪み 歪み Bump off にして



et compatible F1 optics

File Edit Window
Optics Acc Quad

07/01/2008 18:32:13 Help



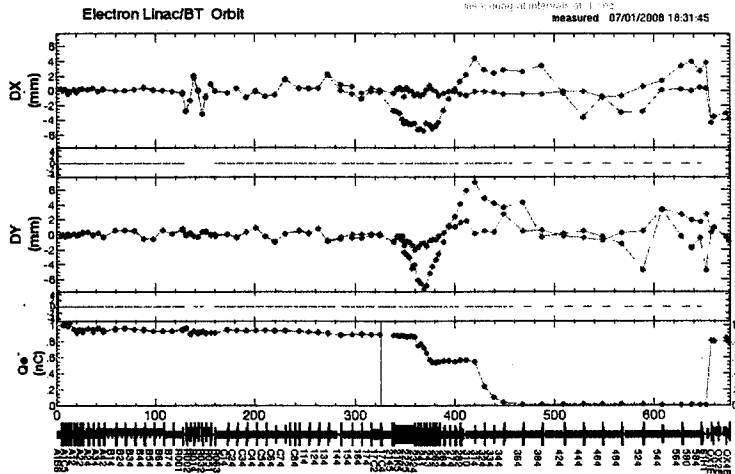
symbol Q*AC*
s1 (m) 0 s2 (m) 496
Plot
Select region
C-sector
1-sector
2-sector
3-sector
4-sector
5-sector
Match
Match PT
Write Twiss

KEKB & PF e- multi-energy matching on localhost:11.0

8G.J.
KEKBE-4 前々-3 18-29の状態にあり
C-sector 前面が et 用新計算 optics として書かれた → orbit 計算, E 計算

File Edit Measurement Correction Steering Orbit Window

07/01/2008 18:31:47 Help



r.m.s = 2.389 mm
max = 8.923 mm
SPQMF9E_S
min = 5.481 mm
SP243
r.m.s = 2.204 mm
max = 7.067 mm
SP314
min = 7.358 mm
SP243

goldfile range DX Auto Fix (7) DY Auto Fix (7) Qx Auto Fix (1) Replot
Clear Statistics Standard Size
meas -> gold meas -> ref stat -> ref
(DX,DY) = (.25, .74) mm, Qbunch = 3 nC @ SP124 statistics (.167, .51, .797, .06) mm, .857, 2 nC

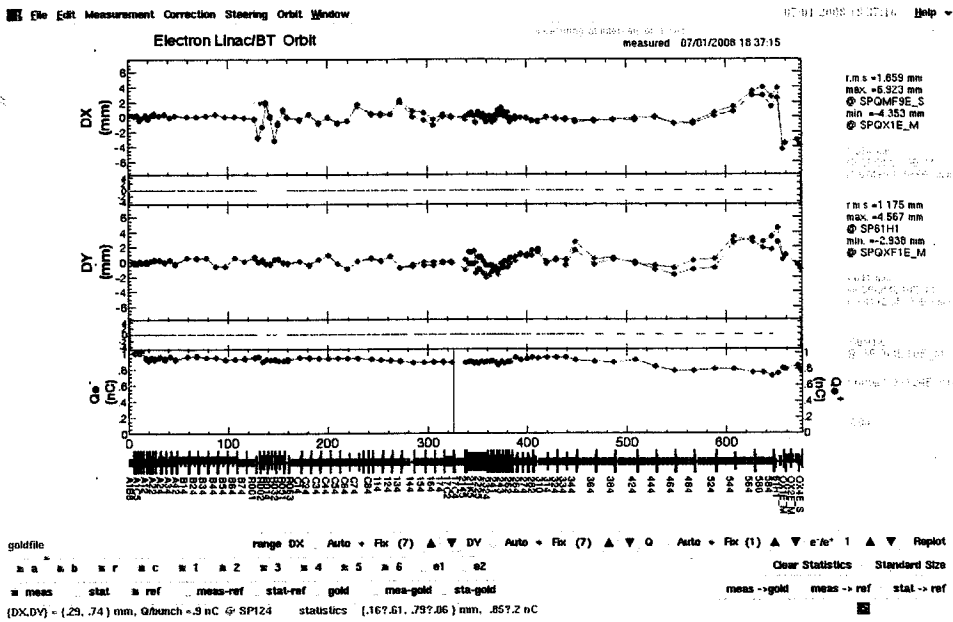
Read Save File Diff Read Save File Diff
Select Clear Set Magnet Select Clear Set Magnet

/mnt/haddata1b/data/LINAC/CG/magnet/2008/07/skbe20080701-18:40:03

/mnt/haddata1b/data/LINAC/CG/magnet/2008/07/skbe20080701-18:40:16

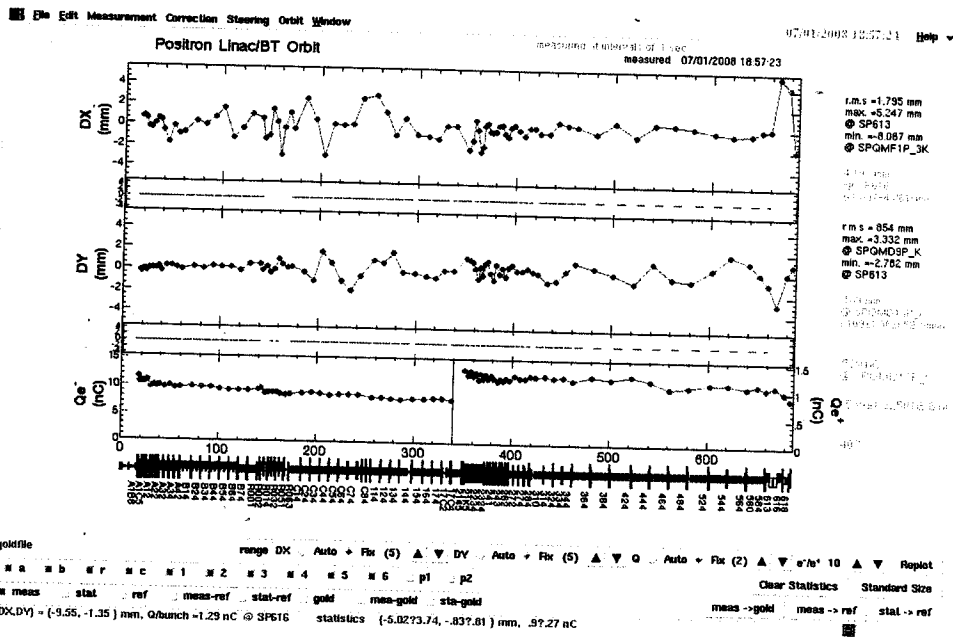
Save file to /data/LINAC/CG/magnet/2008/07/skbe20080701-18:40:16

STの調整之 orbitのみ取り、E-AD2を改善した

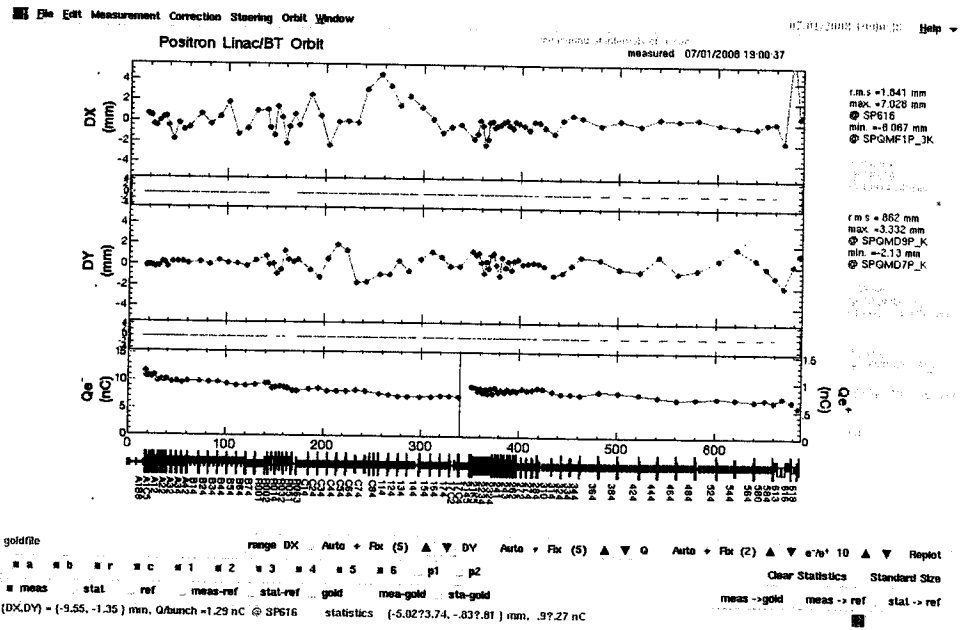


このe/e'をト設定に変更する。

e^+e^- : KEKB 用 optics & ST 条件



(1A) (2072-4以降) KEKB 用 2010
上に対して Q の設定を 大西 optics にした。 ST は上と同じ

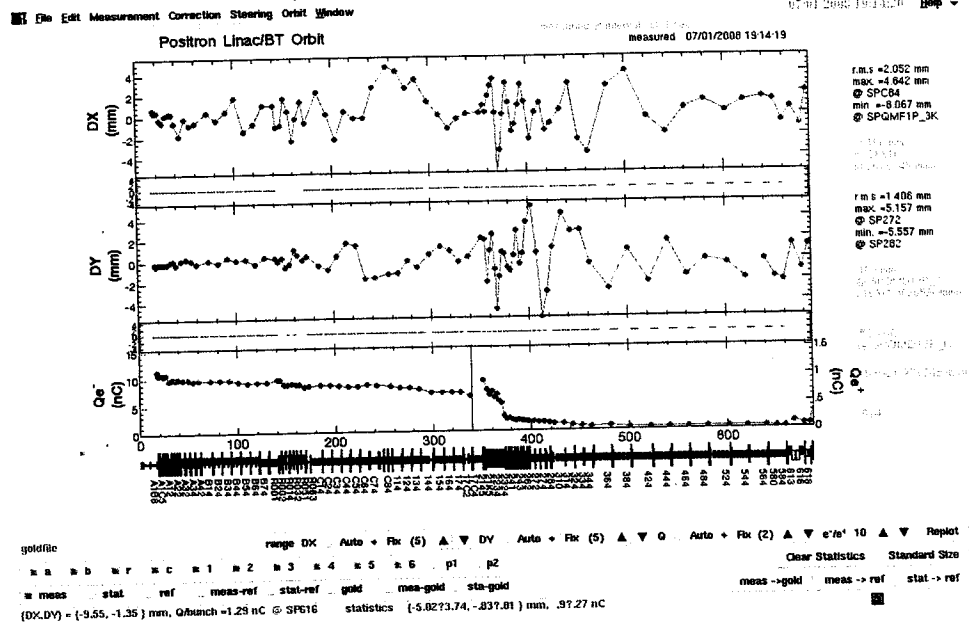


4-11 以降の QM は 1.5 程度
4-8 A 程度
C-1 以降も KEKB 用。
 e^+ 電荷量 は $\frac{2}{3}$ 程度に減少!

9

STの設定のみ 8GV e-用に変更

E-GOX!



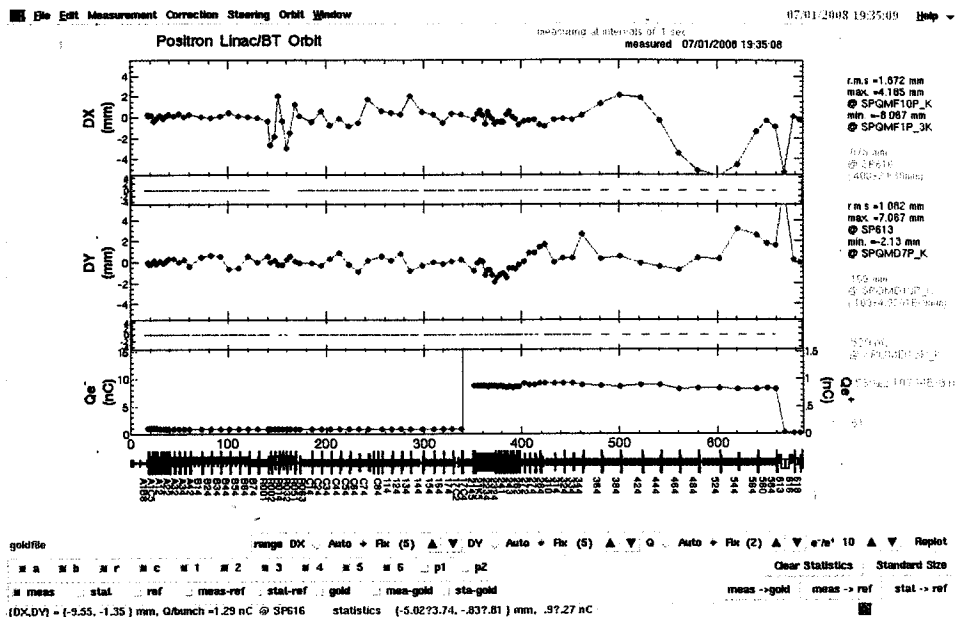
File Edit Window 07/01/2008 19:21:36 Help

Quad	Read (I/B')	File (I/B')	Steering	Read (I)	File (I)
QD/D_A1_1	1.725	1.8322	SX_21_2	.001	.001
QF_A1_1	1.971	2.0898	SY_21_2	.001	.001
QD/D_A1_M	2.830	3.8824	SK_21_31	.001	.001
QF_A1_M	3.260	4.3318	SY_21_31	.001	.001
QD/D_A1_2	1.297	1.8615	SK_21_41	.001	.001
QF_A1_C5	2.513	2.1723	SY_21_41	.001	-3.000
QF_A1_2	1.590	2.1681	BK_21_K5	.001	-3.000
QD/D_A1_B8	2.772	2.3886	BY_21_K5	1.000	-3.000
QF_A1_B8	3.001	2.5803	BK_22_32	.001	-3.999
QD/A1_C5	2.860	2.4620	BY_22_31	1.000	.001
QD/D_A2_1	10.344	7.3639	BK_23_12	.001	-1.000
QF_A2_1	12.139	8.9917	BY_23_11	1.801	3.501
QD/D_A2_2	15.179	10.7127	BK_23_31	.800	2.502
QF_A2_2	16.938	12.4714	BY_23_31	.001	.001
QD/D_A2_3	21.963	15.1095	BK_23_4	.001	.001
QF_A2_3	21.370	15.5900	BY_23_4	.001	.402
QD/D_A2_4	13.993	8.5823	SK_24_2	.001	-1.999
QF_A2_4	13.619	8.2548	SY_24_2	.001	.001
QD/D_A3_2	14.608	8.9546	SK_24_3	.001	-3.000
QF_A3_2	15.744	9.5292	SY_24_3	-1.901	.001
QD/D_A3_4	18.960	11.5680	SK_24_4	.001	-3.000
QF_A3_4	19.941	12.0351	SY_24_4	-3.100	.001
QD/D_A4_2	11.355	6.9826	SK_26_1	-1.000	.499
QF_A4_2	12.359	7.4982	SY_26_1	3.400	-3.000
QD/D_A4_4	17.722	10.8285	SK_26_2	-1.801	.001
QF_A4_4	19.201	11.5950	SY_26_2	-3.601	.001
QD/D_B1_4	4.103	14.1651	SK_26_3	-1.000	.001
QF_B1_4	4.249	14.4542	SY_26_3	4.201	.001
QD/D_B2_4	4.791	16.5873	SK_26_4	.001	.001
QF_B2_4	5.167	17.6064	SY_26_4	.001	.001

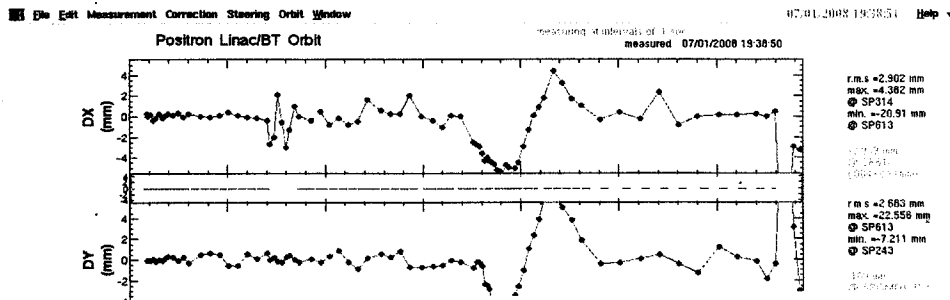
Read Save File Diff Read Save File Diff
Select Clear Set Magnet Select Clear Set Magnet

Save file to /data/LJNAC/LCG/magnet/2008/07/qkbp20080701-19:18:13

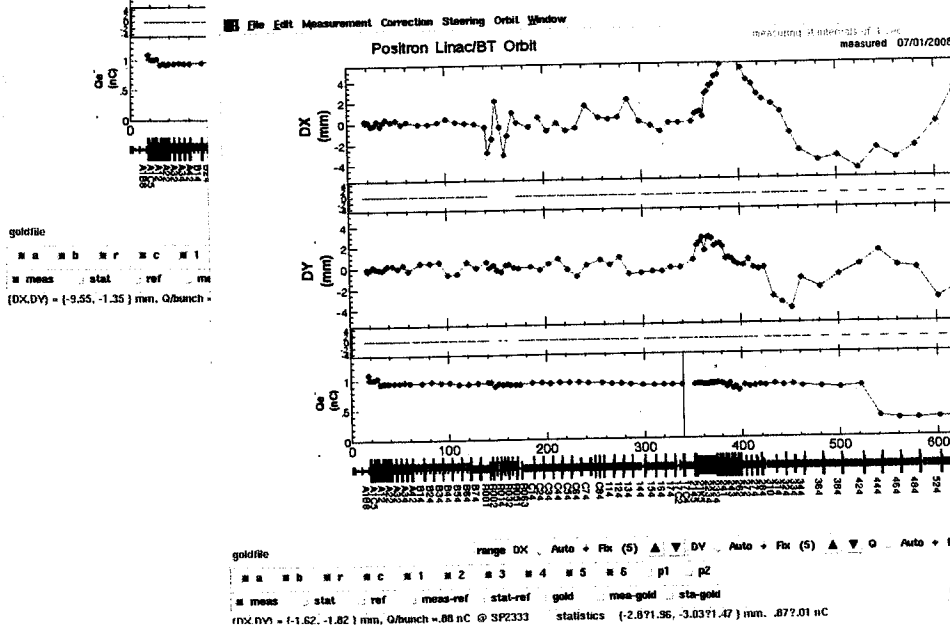
e⁻用 optics & ST 設定 (PDB 8GeV InCE-a)

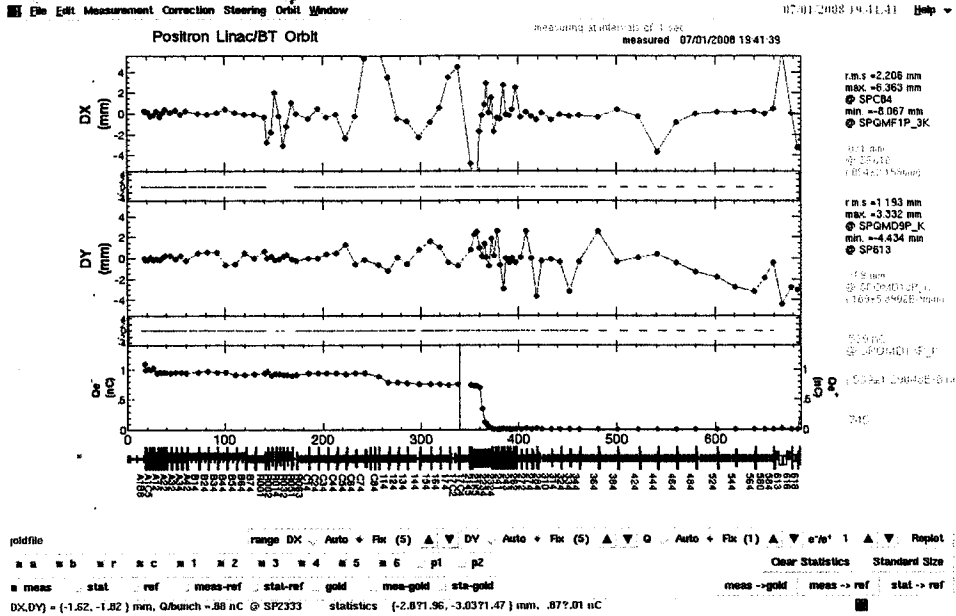


et用
18:40のQe
et
+

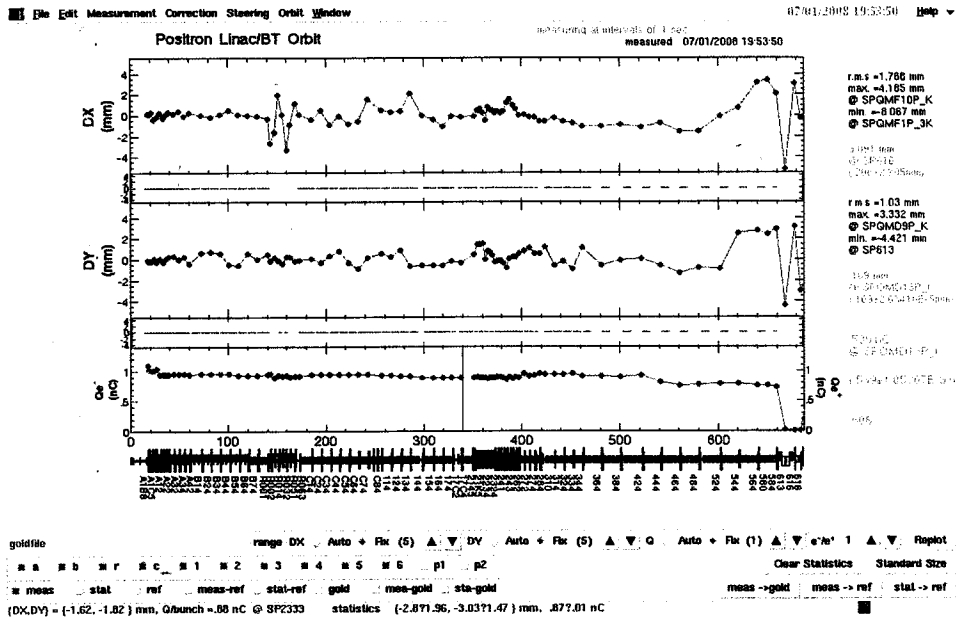


et用
20:49-1X
NSTA
et





5に
209IX 降
C-1E70-
のSTE 2E



STE 19:00
時分のET用
opticsでE-4
がふる状態に
LE