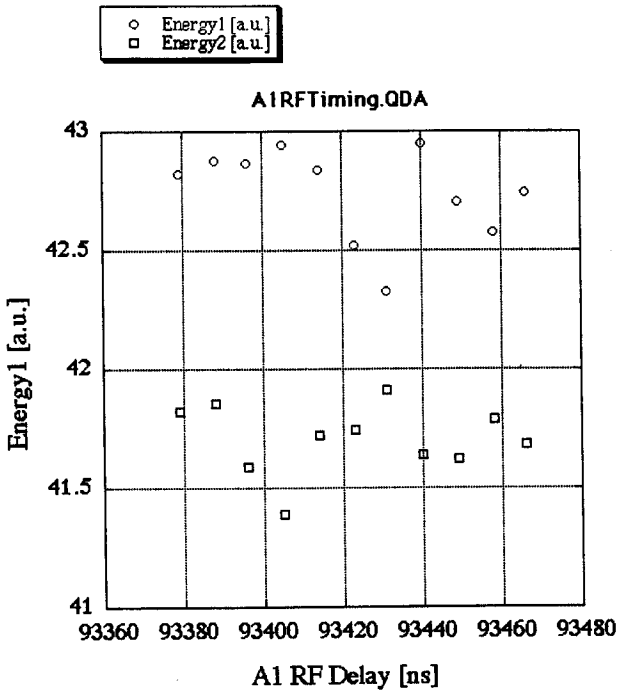
57

93449 (+18 ns) (I)
93458 (+27 ns) (J)
93466 (+35 ns) (K)



22:22 BX_A1_C5 1.723 → 3.171A

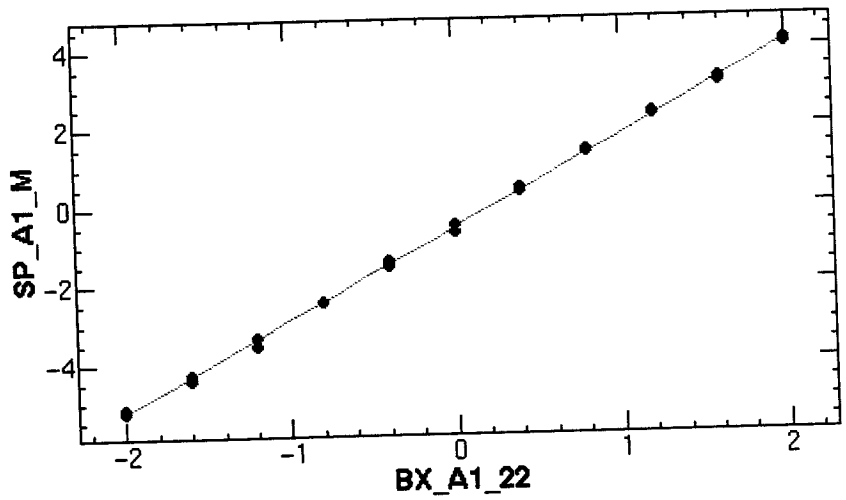
2002
11/23

93431 (0 ns) 22:22:16 (L)
93358 (−43 ns) 22:28:23 (M)
93370 (−61 ns) 22:30:50 (N)

File Edit Window (K) 93466ns (+35nS) 11/23/2002 21:03:01 Help

ChiSquare = .10621 Goodness = .45793

a = 2.33940 +/- .01228 b = -.56523 +/- .01554

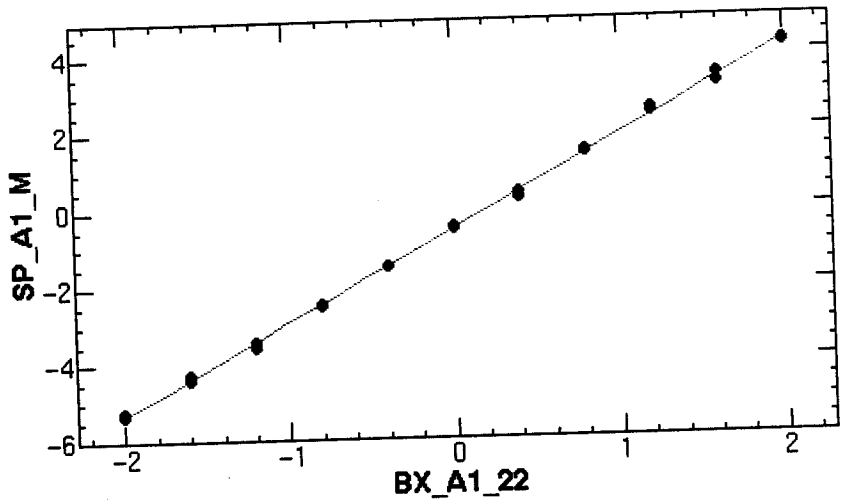


Function = (b+(a x))

Energy at A1_B6 : 42.746044776481915 MeV

ChiSquare = .16656 Goodness = .45793

a = 2.39898 +/- .01538 b = -.52800 +/- .01946



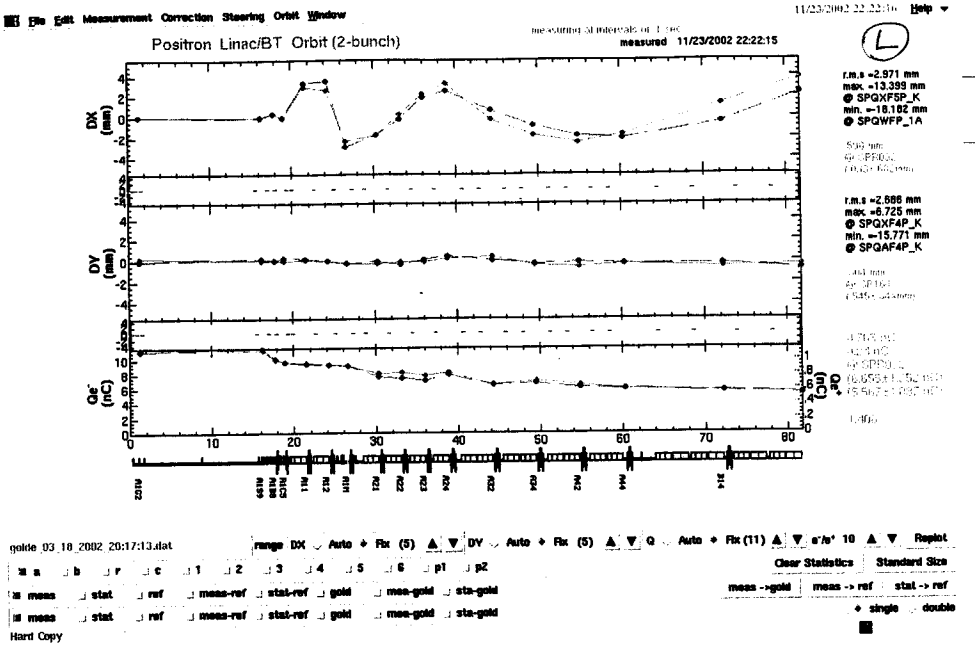
Function = (b+(a x))

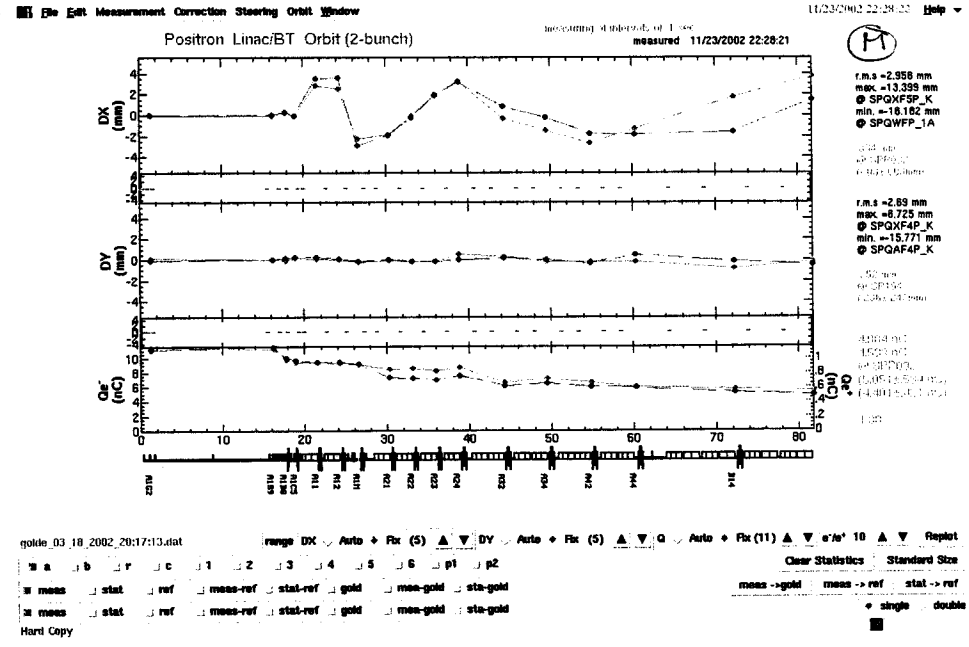
Energy at A1_B6 : 41.684429918052203 MeV

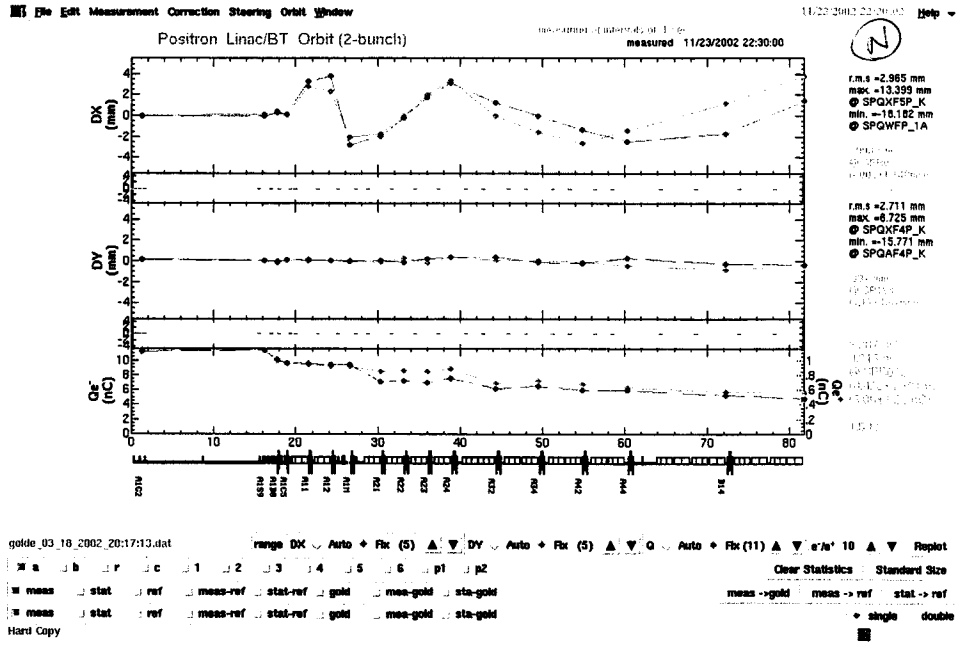
Hard Copy

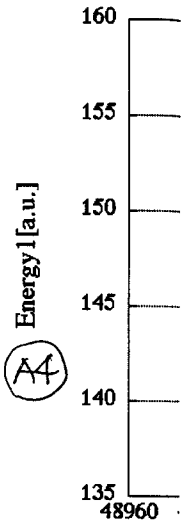
Hard Copy

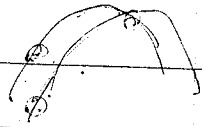
53


File Edit Measurement Correction Steering Orbit Window
Help
Positron Linac/BT Orbit (2-bunch)
measured 11/23/2002 22:22:15
DX (mm)
DY (mm)
Qe- (nC)
r.m.s =2.971 mm
max =13.399 mm
@ SPQXF5P_K
min. =-18.182 mm
@ SPQWFP_1A
r.m.s =2.686 mm
max =8.725 mm
@ SPQXF4P_K
min. =-15.771 mm
@ SPQAF4P_K
golde_03_18_2002_20:17:13.dat
range DX Auto Fix (5) DY Auto Fix (5) Q Auto Fix (11) e'/e' 10 Replot
Clear Statistics Standard Size
meas ->gold meas -> ref stat -> ref
single double
Hard Copy


File Edit Measurement Correction Steering Orbit Window
Help
Positron Linac/BT Orbit (2-bunch)
measured 11/23/2002 22:28:21
DX (mm)
DY (mm)
Qe- (nC)
r.m.s =2.958 mm
max =13.399 mm
@ SPQXF5P_K
min. =-18.182 mm
@ SPQWFP_1A
r.m.s =2.89 mm
max =8.725 mm
@ SPQXF4P_K
min. =-15.771 mm
@ SPQAF4P_K
golde_03_18_2002_20:17:13.dat
range DX Auto Fix (5) DY Auto Fix (5) Q Auto Fix (11) e'/e' 10 Replot
Clear Statistics Standard Size
meas ->gold meas -> ref stat -> ref
single double
Hard Copy


File Edit Measurement Correction Steering Orbit Window
Help
Positron Linac/BT Orbit (2-bunch)
measured 11/23/2002 22:30:00
DX (mm)
DY (mm)
Qe- (nC)
r.m.s =2.965 mm
max =13.399 mm
@ SPQXF5P_K
min. =-18.182 mm
@ SPQWFP_1A
r.m.s =2.711 mm
max =8.725 mm
@ SPQXF4P_K
min. =-15.771 mm
@ SPQAF4P_K
golde_03_18_2002_20:17:13.dat
range DX Auto Fix (5) DY Auto Fix (5) Q Auto Fix (11) e'/e' 10 Replot
Clear Statistics Standard Size
meas ->gold meas -> ref stat -> ref
single double
Hard Copy

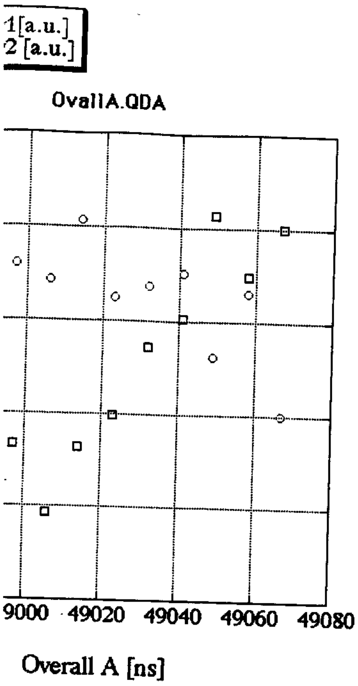

160
155
150
145
140
135
Energy1[a.u.]
48960



22:34 A4でのエネルギー測定 (−3A〜3A)

Overall A	49058 ns (0)	①'	−4A〜4A] 合わない
	49067 ns (+9ns)	④	
	49049 (−9ns)	⑩	
	49041 (−17ns)	㊁	
	49032 (−26ns)	㊂	
	49023 (−35ns)	㊃	
	49014 (−44ns)	㊄	← ◌
	49006 (−52ns)	㊅	
	48997 (−61ns)	㊆	
	48988 (−70ns)	㊇	
	48979 (−79ns)	㊈	

Circled labels: ①', イ, ロ, ハ, ニ, ホ, ヘ, ト, チ, リ, ヌ, ル



23:17 Orbit BX_A1_C5 2385A

overall A 48979 (−79ns)	(1)	11/23 23:18:09
49014 (−44ns)	(2)	23:20:32
49041 (−17ns)	(3)	23:22:43
~~40~~ 49058 (0)	(4) 元	23:24:49

この時点でのorbit (arcまで) → 図 23:29:14 (data not saved)

Overall B 49095 → 49112 ns (+17ns)

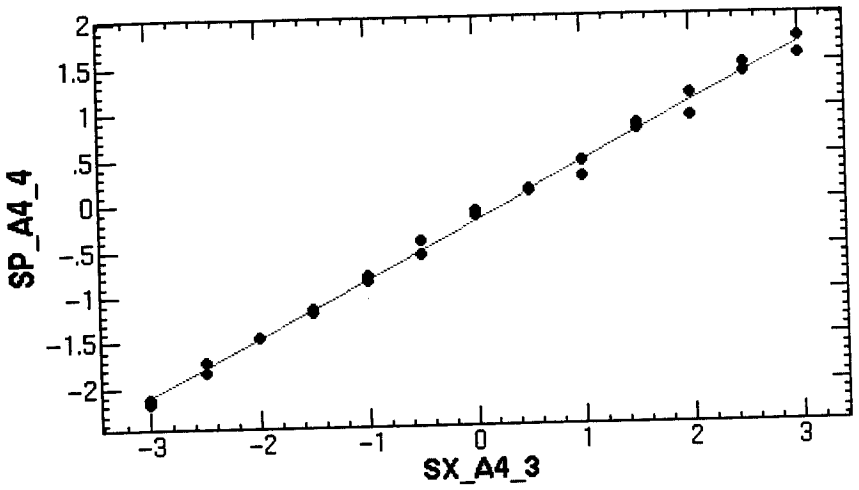
アークでのエネルギーを合わせる

SB_A 87.3° → 83.3°
SB_B 86.5 → 82.50] → orbit saved 23:44:55 (data not saved)

File Edit Window 11/23/2002 23:17:19 Help

ChiSquare = .14478 Goodness = .46160
a = .63434 +/- .00814 b = -.19892 +/- .01523

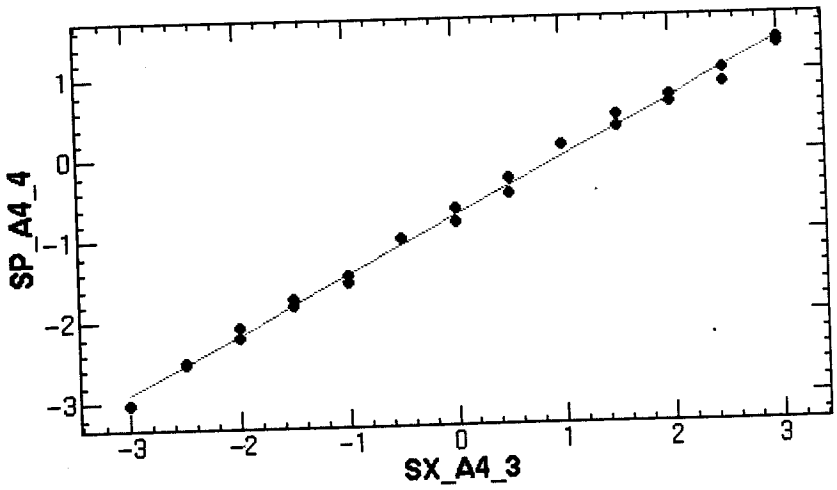
(IV)



Function = (b+(a x))

Energy at A1_B8 : 157.64536721842539 MeV

ChiSquare = .20978 Goodness = .46160
a = .71601 +/- .00980 b = -.73808 +/- .01834

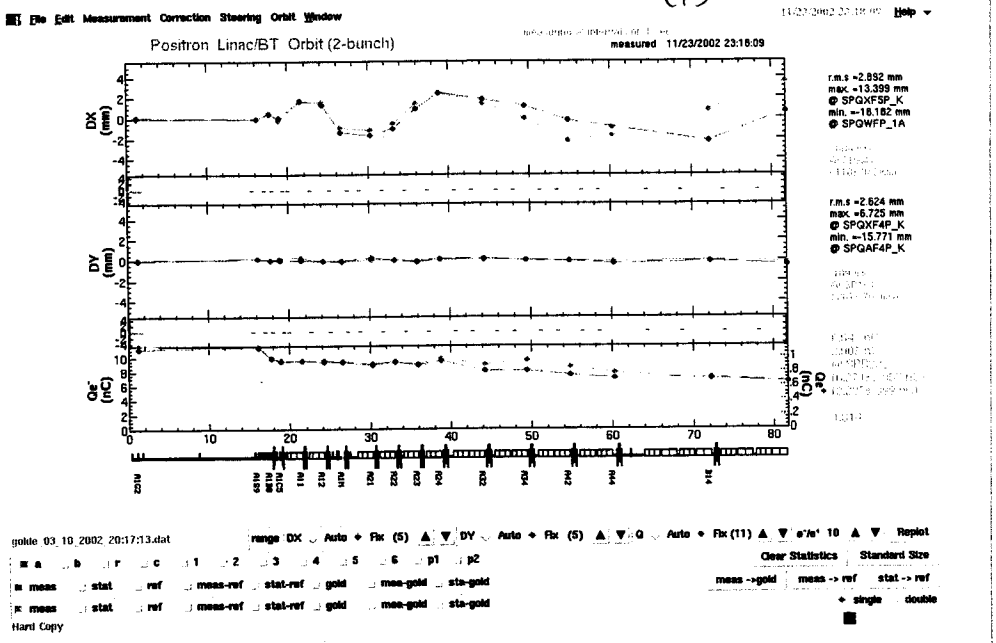


Function = (b+(a x))

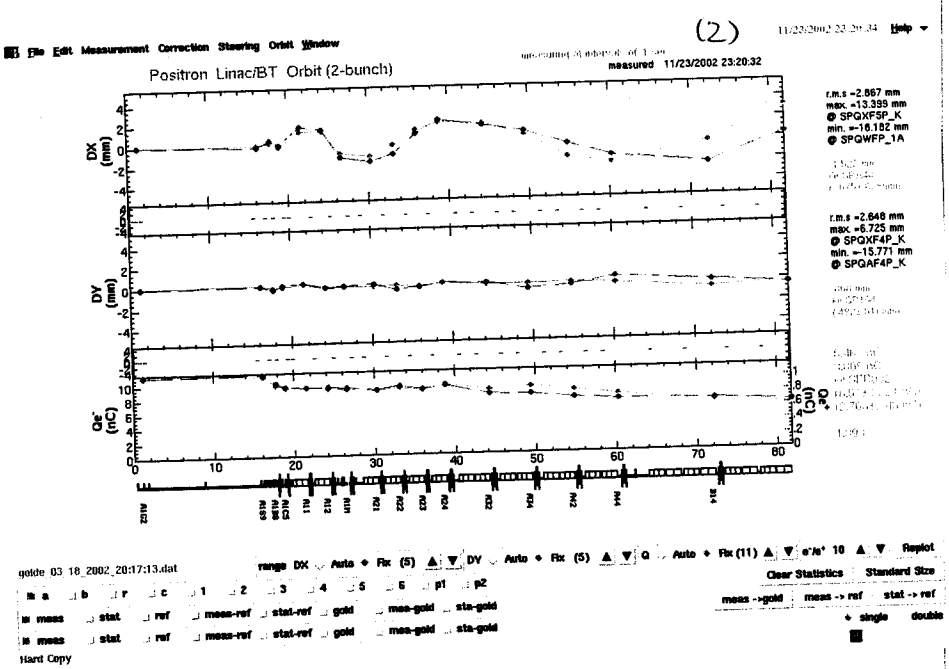
Energy at A1_B8 : 139.66373270510232 MeV

Hard Copy

(1)


File Edit Measurement Correction Steering Orbit Window
Help
Positron Linac/BT Orbit (2-bunch)
measured 11/23/2002 23:16:09
DX (mm)
r.m.s =2.892 mm
max. =13.399 mm
@ SPQXF5P_K
min. =-16.182 mm
@ SPQWFP_1A
DY (mm)
r.m.s =2.624 mm
max. =6.725 mm
@ SPQXF4P_K
min. =-15.771 mm
@ SPQAF4P_K
Qe- (nC)
Qe+ (nC)
goldo 03_10_2002_20:17:13.dat
range DX Auto Fix (5) DY Auto Fix (5) Q Auto Fix (11) a'/a' 10 Replot
Clear Statistics Standard Size
meas ->gold meas -> ref stat -> ref
single double
Hard Copy

(2)

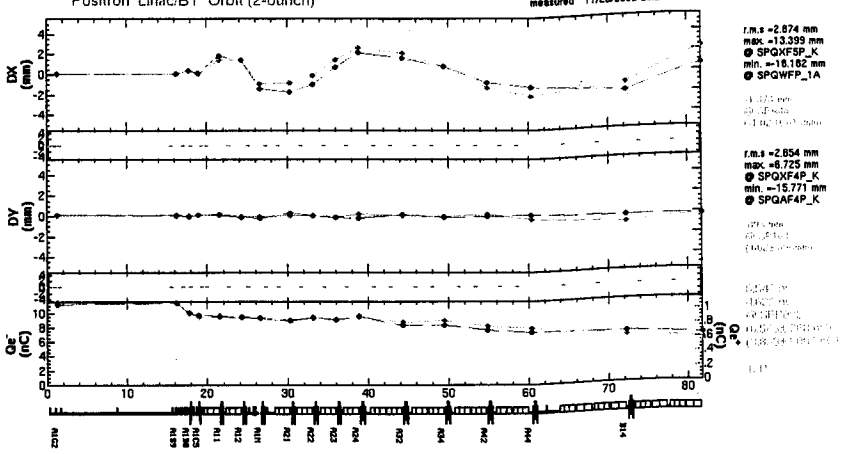

File Edit Measurement Correction Steering Orbit Window
Help
Positron Linac/BT Orbit (2-bunch)
measured 11/23/2002 23:20:32
DX (mm)
r.m.s =2.867 mm
max. =13.399 mm
@ SPQXF5P_K
min. =-16.182 mm
@ SPQWFP_1A
DY (mm)
r.m.s =2.648 mm
max. =6.725 mm
@ SPQXF4P_K
min. =-15.771 mm
@ SPQAF4P_K
Qe- (nC)
Qe+ (nC)
goldo 03_10_2002_20:17:13.dat
range DX Auto Fix (5) DY Auto Fix (5) Q Auto Fix (11) a'/a' 10 Replot
Clear Statistics Standard Size
meas ->gold meas -> ref stat -> ref
single double
Hard Copy

(3)

File Edit Measurement Correction Steering Orbit Window

Positron Linac/BT Orbit (2-bunch)

measured 11/23/2002 23:22:43



golde_03_18_2002_20:17:13.dat range DX Auto Fix (5) DY Auto Fix (5) Q Auto Fix (11) e'/e' 10 Replot

Clear Statistics Standard Size

a b r c 1 2 3 4 5 6 p1 p2

meas stat ref meas-ref stat-ref gold meas-gold sta-gold

meas stat ref meas-ref stat-ref gold meas-gold sta-gold

meas->gold meas -> ref stat -> ref

single double

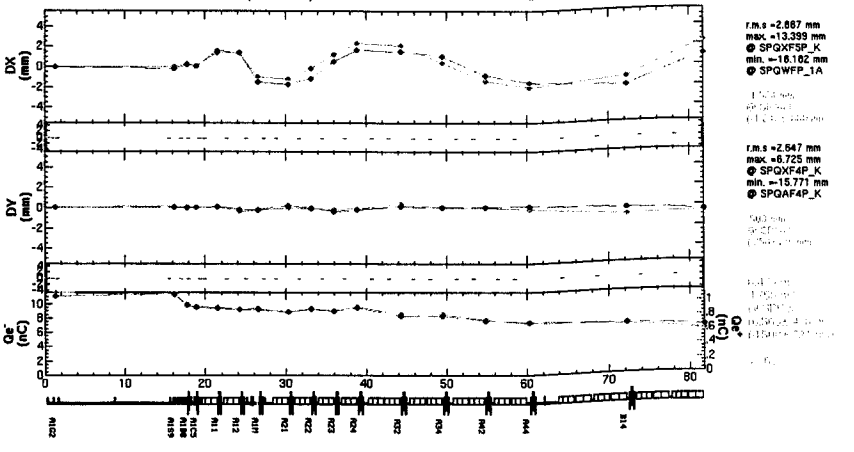
Hard Copy

(4)

File Edit Measurement Correction Steering Orbit Window

Positron Linac/BT Orbit (2-bunch)

measured 11/23/2002 23:24:49



golde_03_18_2002_20:17:13.dat range DX Auto Fix (5) DY Auto Fix (5) Q Auto Fix (11) e'/e' 10 Replot

Clear Statistics Standard Size

a b r c 1 2 3 4 5 6 p1 p2

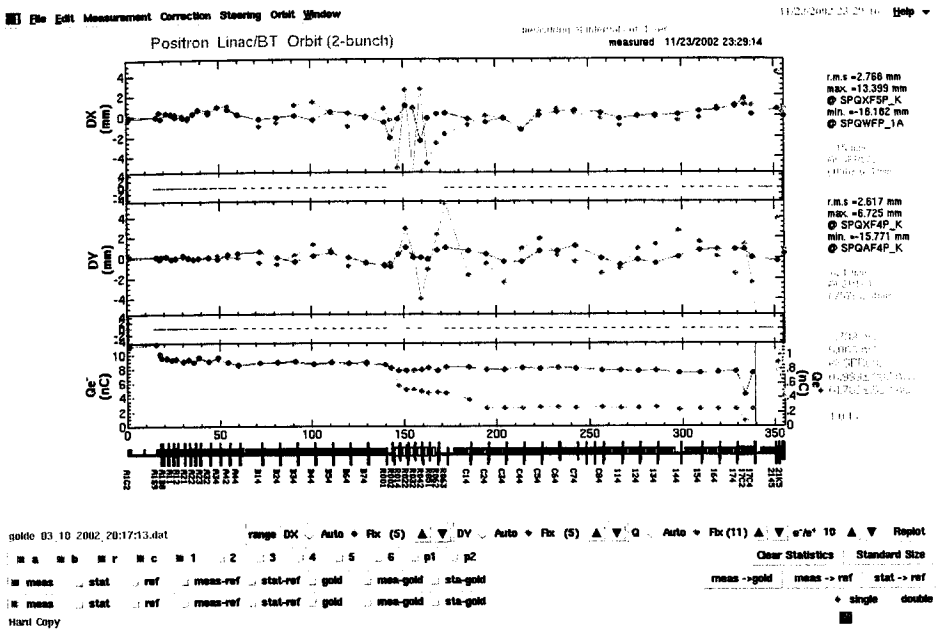
meas stat ref meas-ref stat-ref gold meas-gold sta-gold

meas stat ref meas-ref stat-ref gold meas-gold sta-gold

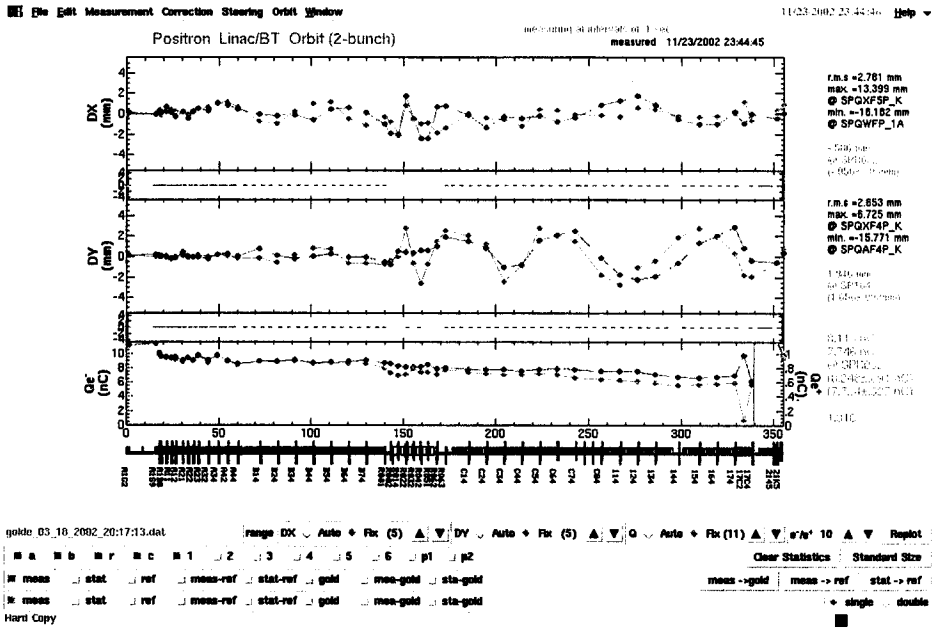
meas->gold meas -> ref stat -> ref

single double

Hard Copy



SB_ABE — 4.0°



magnet data2368.all
rf-phase data863.phase.all
trigger data217.delay.all

59

Trigger Delays — 23:51 v1.3.0

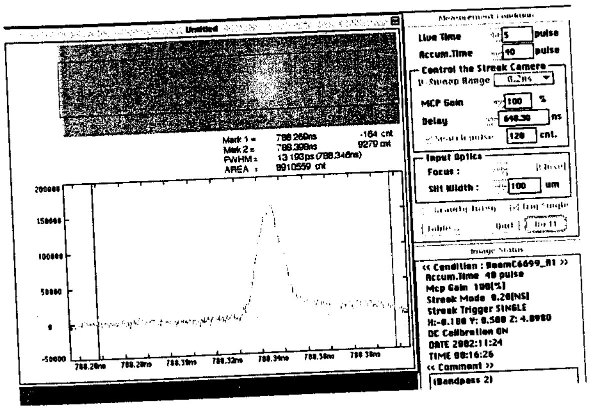
File

Toggle AB-sled | Toggle C1-sled | Toggle 25-sled | Toggle Monitor

	Reference Nov23 18:10:30	Current Nov23 23:51:02	Difference
KL_A1_RF	93431 ns	93431 ns	0
OVERALL_A	49058 ns	49023 ns	-35
OVERALL_B	49095 ns	49112 ns	17
OVERALL_C	50910 ns	50910 ns	0
OVERALL_1	72929 ns	72929 ns	0
OVERALL_2	72770 ns	72770 ns	0
OVERALL_3	72691 ns	72691 ns	0
OVERALL_4	72812 ns	72812 ns	0
OVERALL_5	73027 ns	73027 ns	0

Read Ref. | Read Cur. | -96.3 | -17.5 | -8.8 | -1.75 | +1.75 | +8.8 | +17.5 | +96.3

2バンチ目 幅広い



↓

J-arc 通過させるには
エネルギー幅を広げる必要有った
(SB_A, B, 一緒)
4

2002.11.24

Delay2 : 2.550

Delay2 : 2.570

Delay2 : 2.580

Delay2 : 2.590 (下)

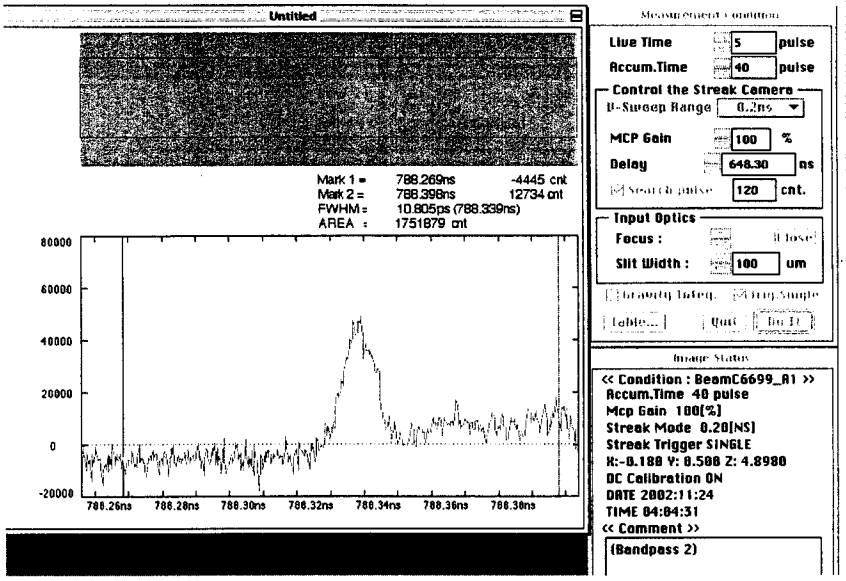
Delay2 : 2.600

Delay2 : 2.610

Delay2 : 2.620

Delay2 : 2.630

Delay2 : 2.650



NO3メ-ク. last 0 に7.

FWHM は. Delay2 : 2.610ns ~ 2.590 (下) のとろが良いと思われる