

Q-Mag values were SET and saved to file and sad.

18:30

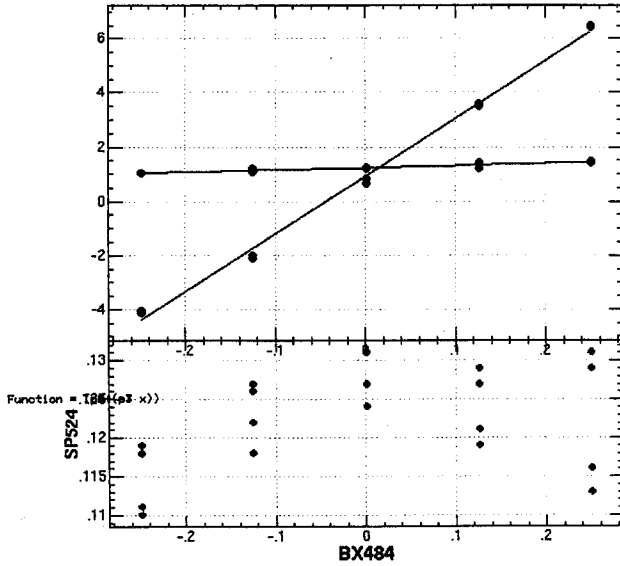
Steering response 測定

— 大西 —

File Edit Window

3/10

04/04/2006 18:39:19 Help



SX311	SY311	SP314		
SX321	SY321	SP324	lmin (A)	-1.861
SX331	SY331	SP334	l (A)	-0.861
SX341	SY341	SP344	lmax (A)	.139
SX351	SY351	SP364	#step	5
SX371	SY371	SP384		
BX384	BY384	SP424		
SX431	SY431	SP444		
SX451	SY451	SP464		
SX471	SY471	SP484		
BX484	BY484	SP524		
SX531	SY531	SP544		
SX551	SY551	SP564		
SX571	SY571	SP584		

slop x = -21.314091359133616 ← -47.4970453869283 slop y = -.805019112896229 ← -.118493765438167

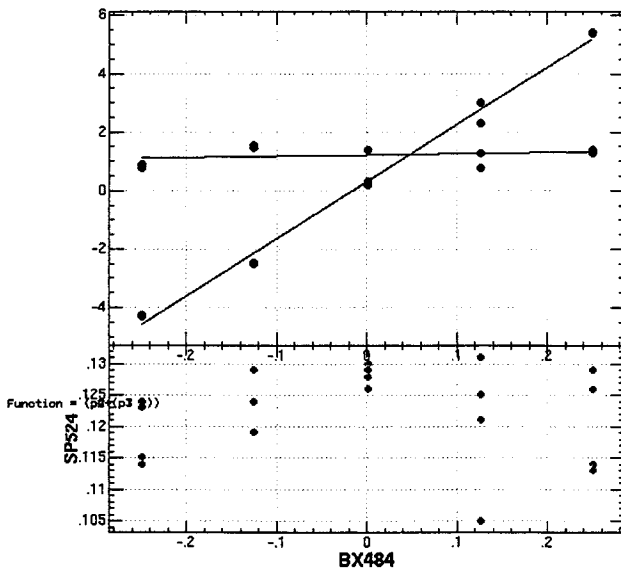
↓↓

$A_y = 0.805 \rightarrow 0.438$

File Edit Window

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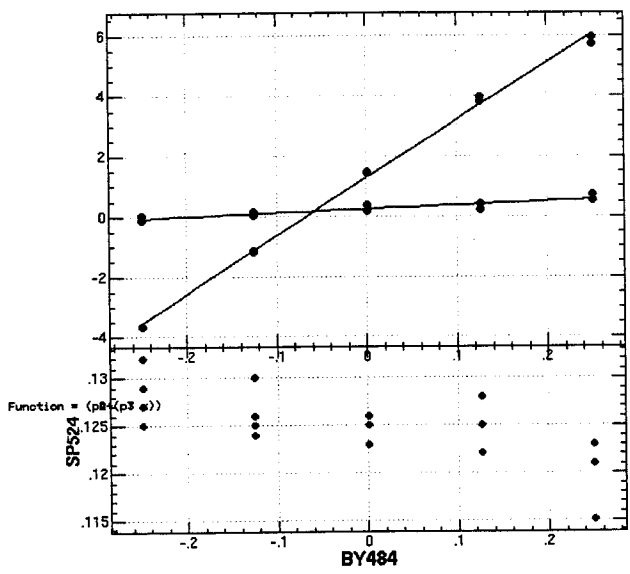
04/04/2006 18:50:07 Help



SX311	SY311	SP314		
SX321	SY321	SP324	lmin (A)	-1.861
SX331	SY331	SP334	l (A)	-0.861
SX341	SY341	SP344	lmax (A)	.139
SX351	SY351	SP364	#step	5
SX371	SY371	SP384		
BX384	BY384	SP424		
SX431	SY431	SP444		
SX451	SY451	SP464		
SX471	SY471	SP484		
BX484	BY484	SP524		
SX531	SY531	SP544		
SX551	SY551	SP564		
SX571	SY571	SP584		

slop x = -19.620225603625581 ← -.563681116548535 slop y = -.438018969996069 ← -.536935344145933

3/10



SX311	SY311	SP314		
SX321	SY321	SP324	Imin (A)	-1.861
SX331	SY331	SP334	I (A)	-.861
SX341	SY341	SP344	Imax (A)	.139
SX351	SY351	SP364	#step	5
SX371	SY371	SP384		
BX384	BY384	SP424		
SX431	SY431	SP444		
SX451	SY451	SP464		
SX471	SY471	SP484		
BX484	BY484	SP524		
SX531	SY531	SP544		
SX551	SY551	SP564		
SX571	SY571	SP584		

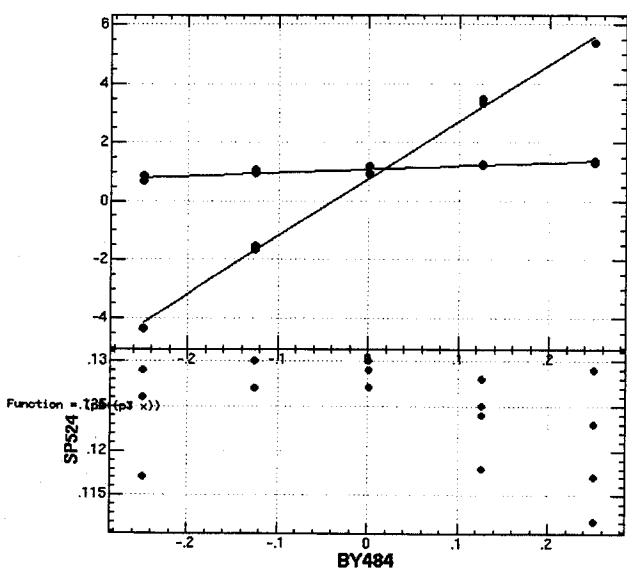
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-
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slop x = -1.2526756550293201+- .197533543145909 slop y = -19.192164350493258+- .35986492562009



$a_2 = 1.25 \rightarrow 1.12$

4/4



SX311	SY311	SP314		
SX321	SY321	SP324	Imin (A)	-1.861
SX331	SY331	SP334	I (A)	-.861
SX341	SY341	SP344	Imax (A)	.139
SX351	SY351	SP364	#step	5
SX371	SY371	SP384		
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SX451	SY451	SP464		
SX471	SY471	SP484		
BX484	BY484	SP524		
SX531	SY531	SP544		
SX551	SY551	SP564		
SX571	SY571	SP584		

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-
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slop x = -1.115777836185382+- .180218010853834 slop y = -19.542637196911317+- .383199298778032

137

06/4/4

3-bunch study 1/10

19:00 ~ 20:00 説明, 作業

3/1=9 E ARC E 通す, 2/1=9 自分

19:30 ~ 23:45

C-9 @ 42 満了

3-bunch bundy

→ QD-R0-63 E 1A 弱水之解決

3/1=9 目 a et の 2-6 以降通す問題

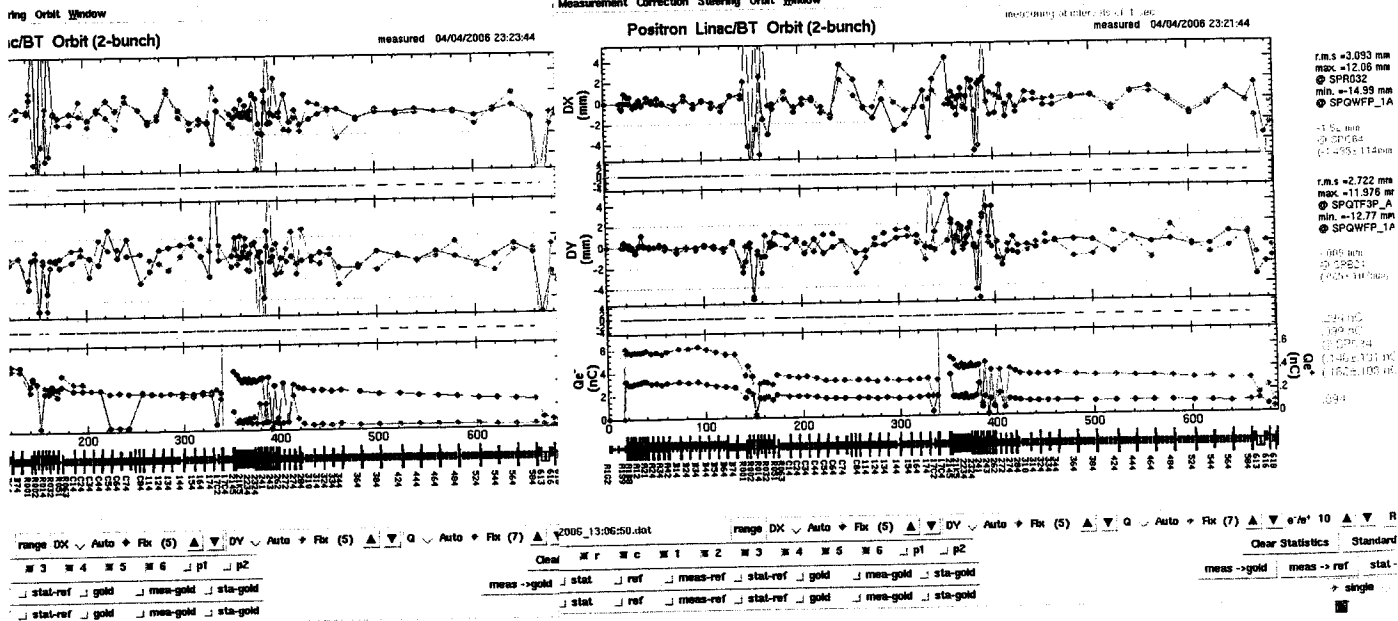
① C ~ 5 a OVERALL E 4 ans/c



② 2-1 の A 位置調整

2-3 bunch

1, 2 bunch



2-3 bunch

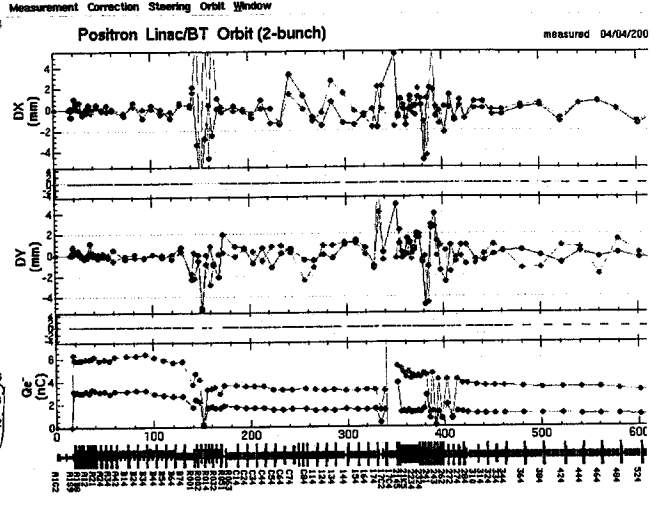
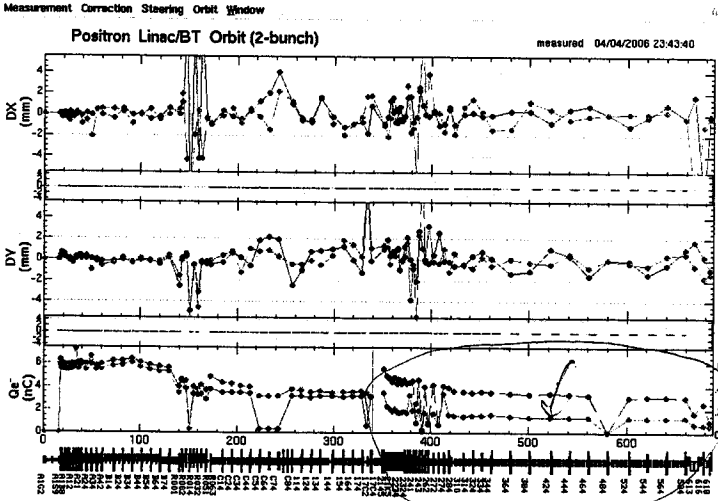
1, 2. bunch

KL-21-RF. 3 bunch 加増の 1/10 調整

KL-21-RF. 3 bunch. 加増の 1/10

→ 1 bunch a et 加増の 1/10

1, 2 bunch 2-1 調整の記録 (再現性) 2-1 bunch 目的の調整
2-3 bunch



2006_13:06:50.dat
range: DX Auto + Fix (5) | DY Auto + Fix (5) | Qz Auto + Fix (7)
Clear SU
stat ref meas-ref stat-ref gold meas-gold sta-gold
stat ref meas-ref stat-ref gold meas-gold sta-gold

2006_13:06:50.dat
range: DX Auto + Fix (5) | DY Auto + Fix (5) | Qz Auto +
Clear SU
stat ref meas-ref stat-ref gold meas-gold sta-gold
meas->gold stat ref meas-ref stat-ref gold meas-gold sta-gold

1-bunch の
調整復活

2006.4.5

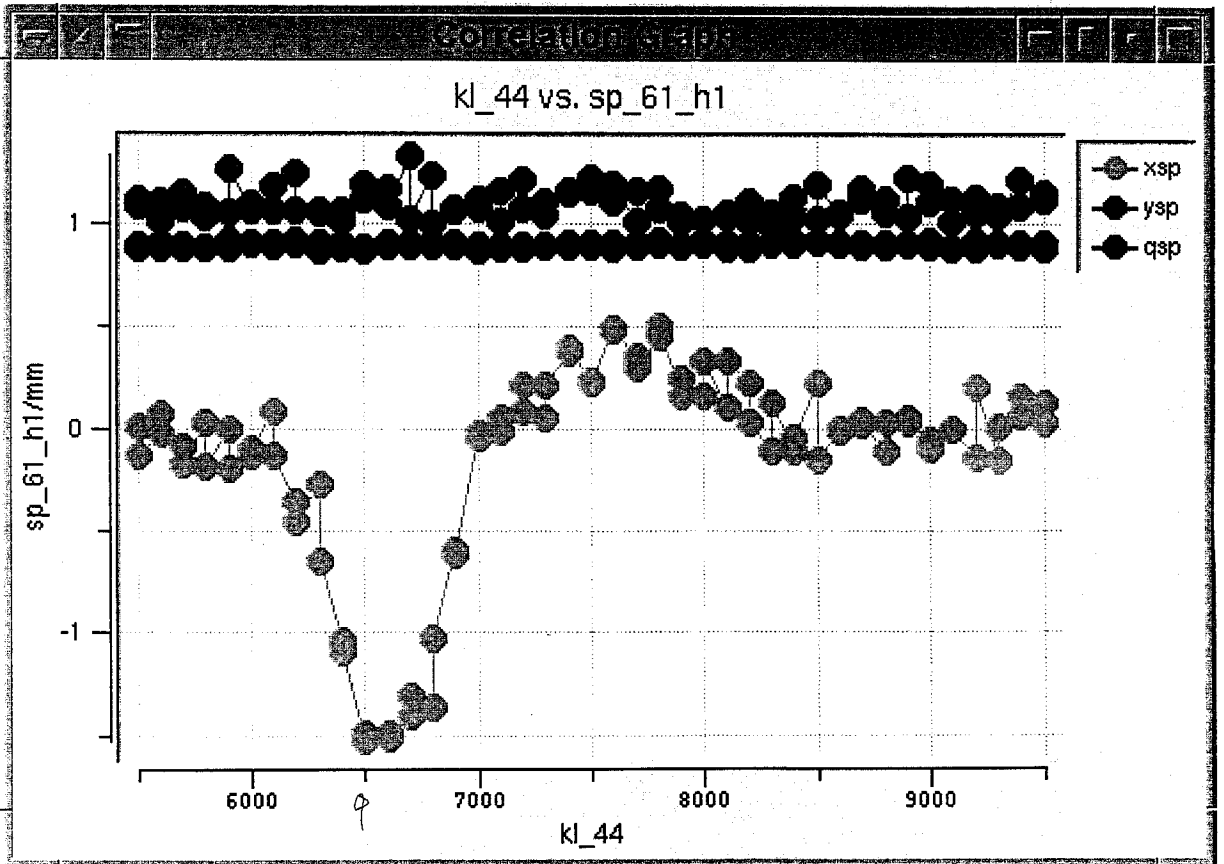
4-4ユニットビームローディング測定.の前のタイミン調整

delay-kl44 = 6756 ns → Acc

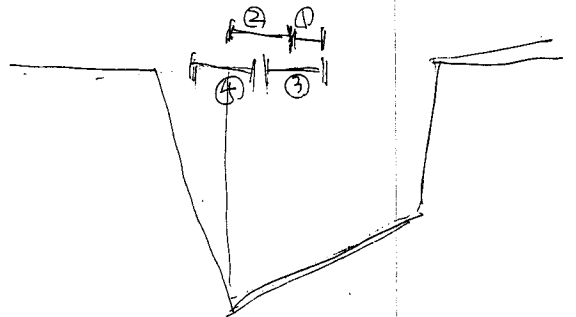
energy knob ^{STB} 7.8616 z' x-sp-61-h1 = +2.4mm
 7.9194 (read) +0.2mm

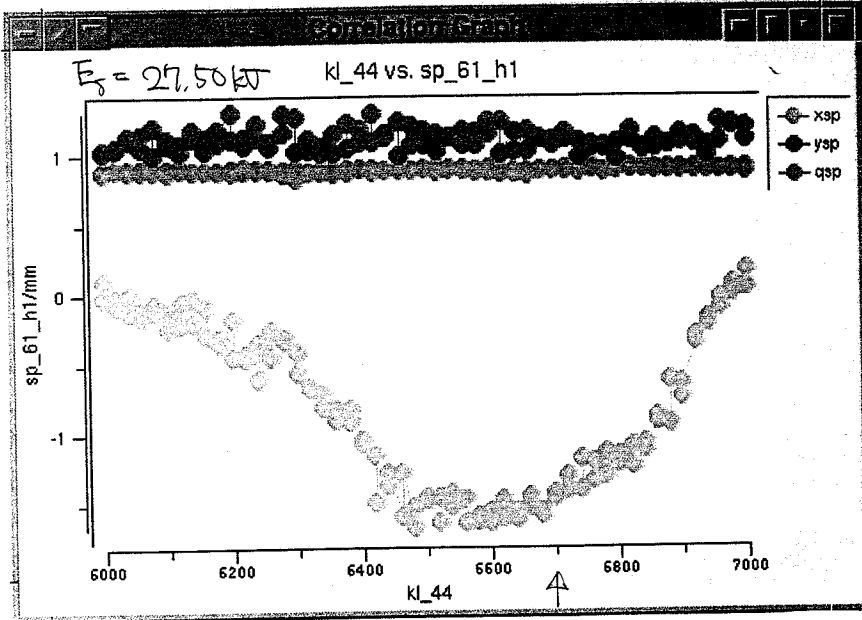
E_s = 27.460 kJ Power ^{計測値} = 10.8 MW. P_f = ^{8.4} 8.1 MW
 6.2 MW

4-4unit STDBY z' x-sp-61-h1 = +1.2mm @ knob = 7.9194
 = 0.0mm @ " = 7.958



$$E = \frac{8.0 \times 10^4 \text{ A}}{307.5}$$





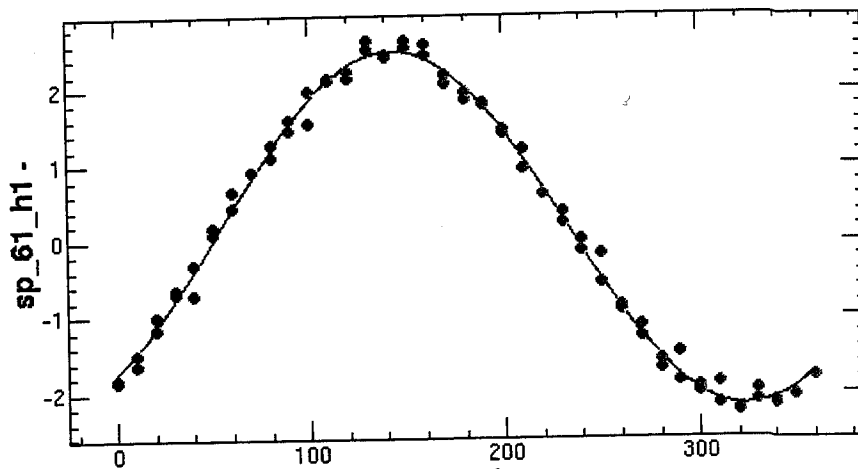
Power = 10.9 MW
 P_f = 8.3
 8.1

Gain = 41.6 MeV
 (100 (crest) 101 (trough))

KL ~~27~~ ²⁷ ε ACC → STB に変更. $x_{sp-61-h1} = +6.4$ mm
 @ del_{acc} - KL44 = 6756 → 6700 ns に変更した.

7.95
 8.1

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 ChiSquare = 1.14050 Goodness = .47768
 a = -2.3421 +/- .02077 c = 143.427 +/- .51250 d = .15613 +/- .01474



A = +2.342 mm → E_{gain} = 60.93 MeV
 E_{field} = ~~15.8~~ 15.8 MV/m

$\sqrt{\frac{40MV}{18.3MW}}$
 = 2.20

17:56

ECS off にして ストリークインにおす。

$$BS_GL1 = 0 \rightarrow -0.999 A$$

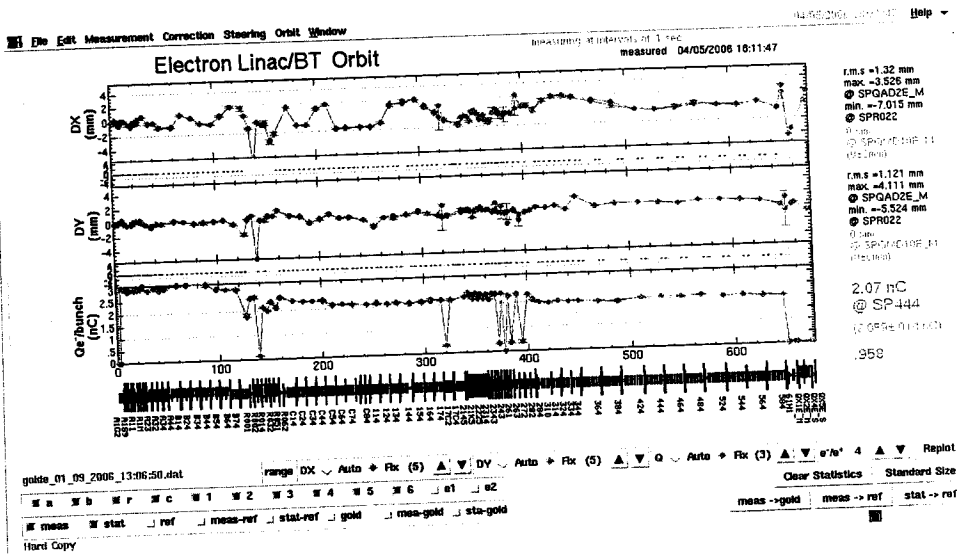
$$BS_GL6 = 0 \rightarrow +0.799 A$$

18:03

<1> 返りを 5Hz → 50Hz にした

電子銃バイアス調整	0.86 nC	@SP44-4	0952	458.1V
	2.02		0950	359.4V

Orbit PX-38-4 = -0.187 → +0.113



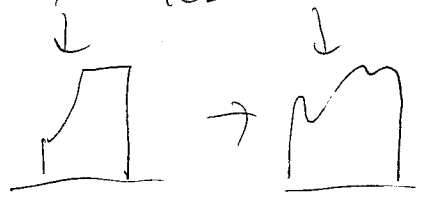
2006
14/19

18:30~

研究 Study

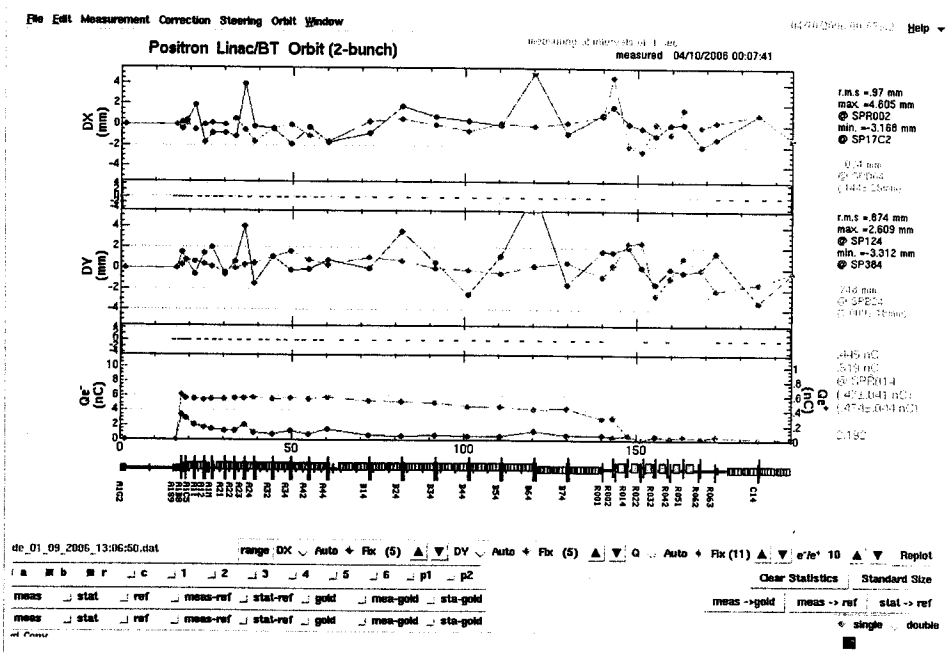
準備 今朝
吉田 (鈴木⇔本)

波形状は完全2-束か 1=0C Beam 出し2束。



JARCE 1.0 GeV, B-5, B-6 Standby

全体の Q は $\times 0.8$



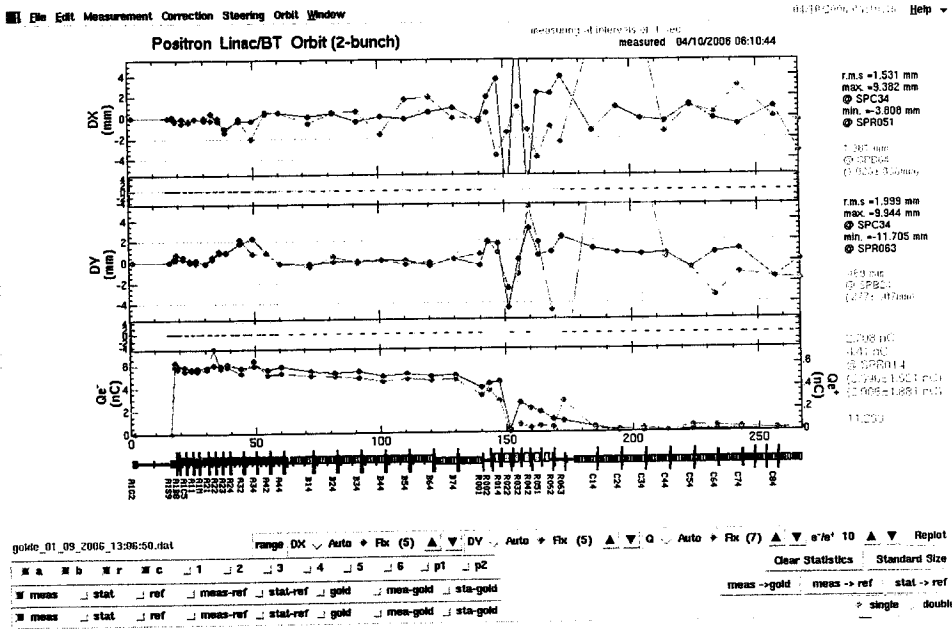
↳ ~~B-5, B-6~~

元々、5 bunch用番調で 1200 MeV
 B-5, B-6 Standby -250 MeV
 B-7 -40% -50 MeV

 900 MeV

⇓
 J-ARCE 800 MeVに回す
 Qの調整等も、ARCの打ち

1-bunch



C 270-01
 2711-227
 3-bunch
 全2見3見
 BPM おかしい

2,3 bunch

