

17:52

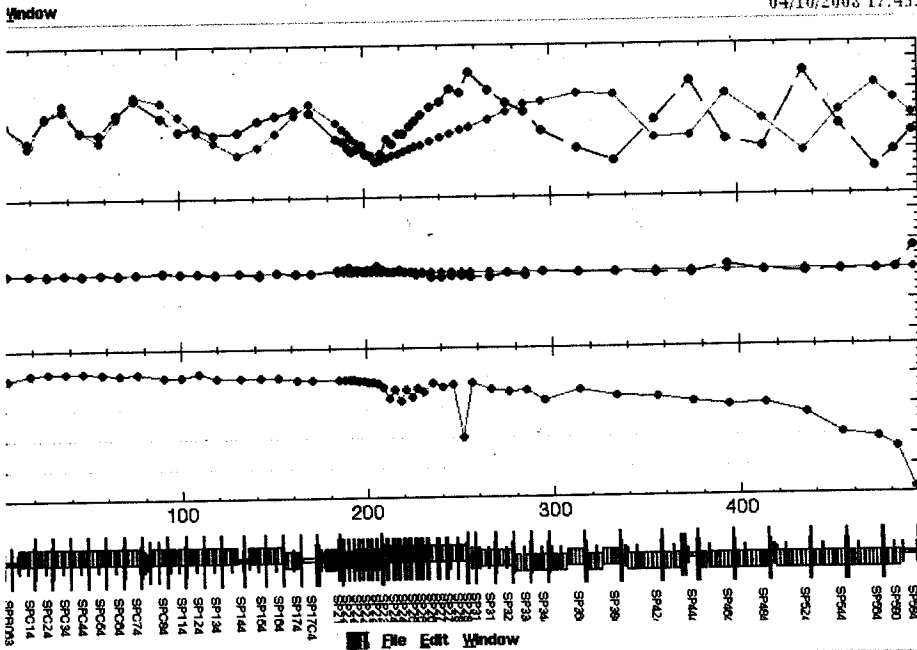
QT74 $af = \frac{1}{1.05}$

QT2145 $af = \frac{1}{1.5}$

QT2343 $af = \frac{1}{1.02}$

QT310 $af = \frac{1}{1.03}$

04/10/2008 17:45:19



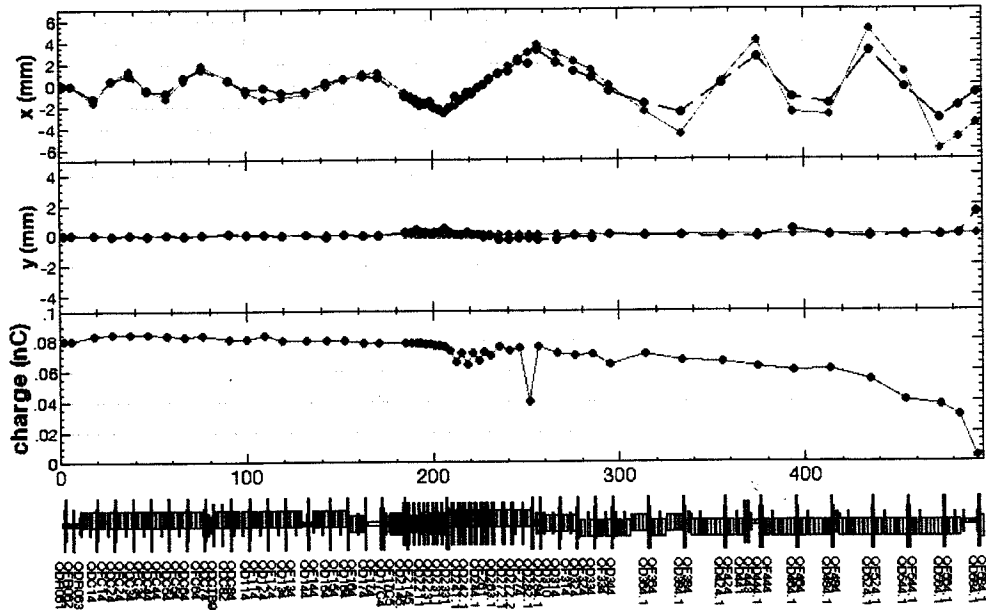
af reset 後



04/10/2008 18:00:5

Steering(X) SXC11
 KD
 Set
 Steering(Y) SY242
 KD

奥祭
 S x CA1 - 2SA)



Read Optics Steering(X) SXC11
 s1(m) KD
 s2(m) 500 Set
 Set ref Steering(Y) SY242

~~Target~~ Target 前の軌道直下Bが動いた! くり直し.

18:10

QF2145 $af = \frac{1}{1.5}$ たったのはそのせいであらう.

✓ K₁K₂ 入射. saveして一旦,

トイレットは一般的に $\square \square \square$ の並びであるが、
~~他~~ ~~は~~ ~~こ~~ ~~こ~~ (2145)のみ $\square \square \square$ になっている.

QD 2145
 QF 2145

所収磁特性のデータが、あやまち、(D)と(F)
 に対して逆になっていた。

古川さんに依頼し、これを修正してもらった。
 磁場値との差は 10% くらいである

19:30

くり直し

QFC74 $af = 1/1.05$

QF ~~2343~~ $1/1.02$

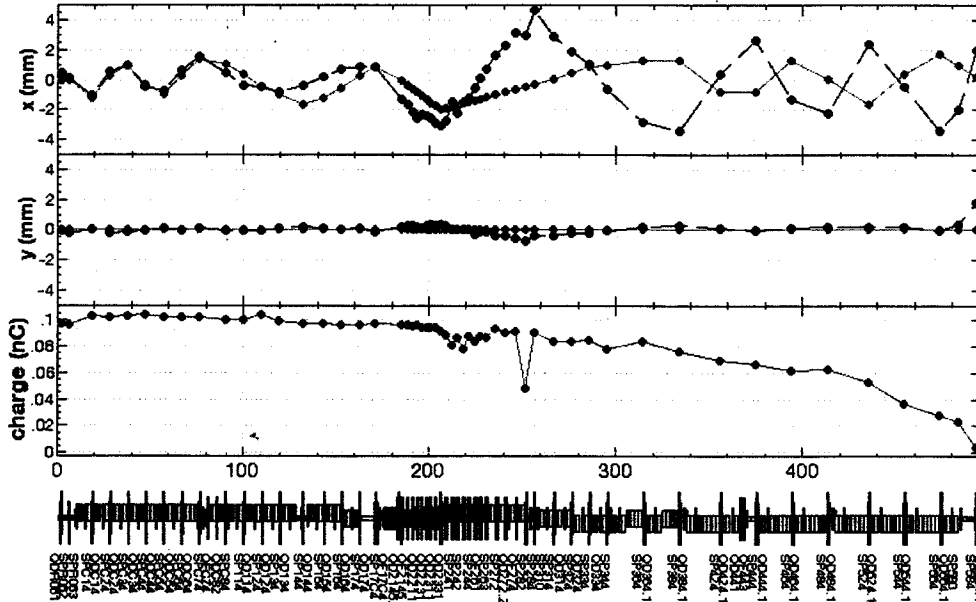
QF 310 $1/1.04$

QF 344 1 に clear } 90° 位相可変して流る

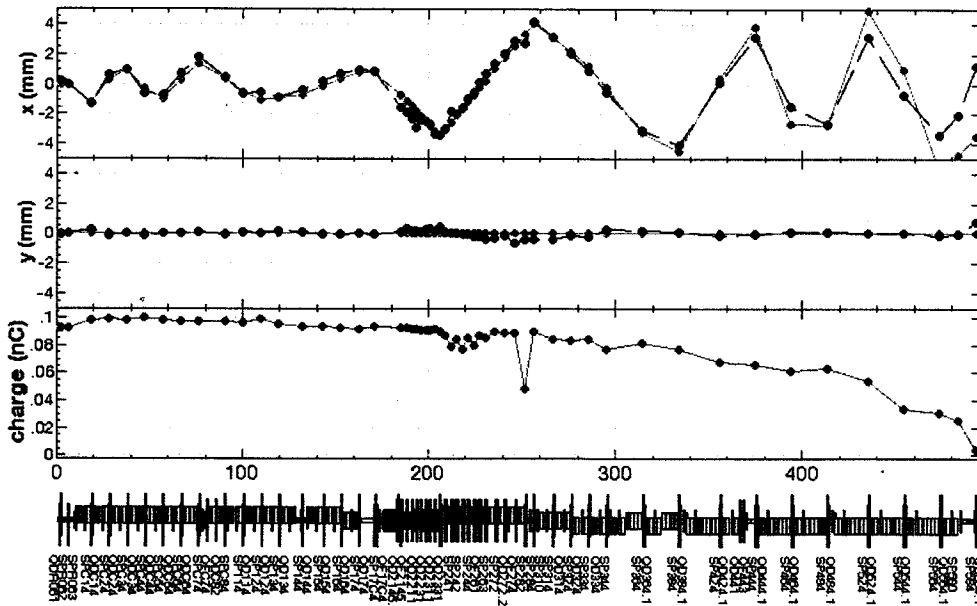
QD 344 1 ..

QF 364 $1/1.05$

QF ~~384~~ $1/0.9149 \times 1.01 = 1.1039 = 1/0.9058$



Read Optics		Steering(X) SXC11	Select Q	K1 -1673284
s1(m)	0	K0	1.5E-4	QD2321
s2(m)	500	Set		QF2322
Set ref		Steering(Y) SY242		QD2323
Clear ref	K0	7E-5		QF2324
				QD2331
				QF2332
				AF
				Set ref
				Set



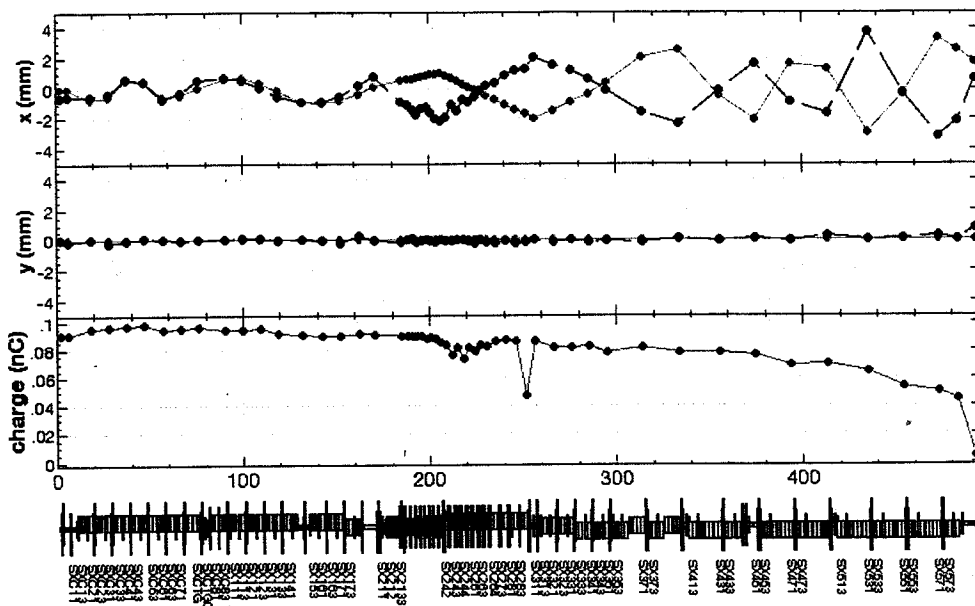
Read Optics		Steering(X) SXC11	Select Q	K1 .74638644
s1(m)	0	K0	1.5E-4	QF364
s2(m)	500	Set		QD384
Set ref		Steering(Y) SY242		QF384
Clear ref	K0	7E-5		QD424
				QF424
				QD441
				AF 1.01
				Set ref
				Set

19:54 90°位相ずれ

QFC44 1/1.05
 QF164 1/1.08
 QF17C{45} ~~1/1.1~~ 1/1.05

File Edit Window

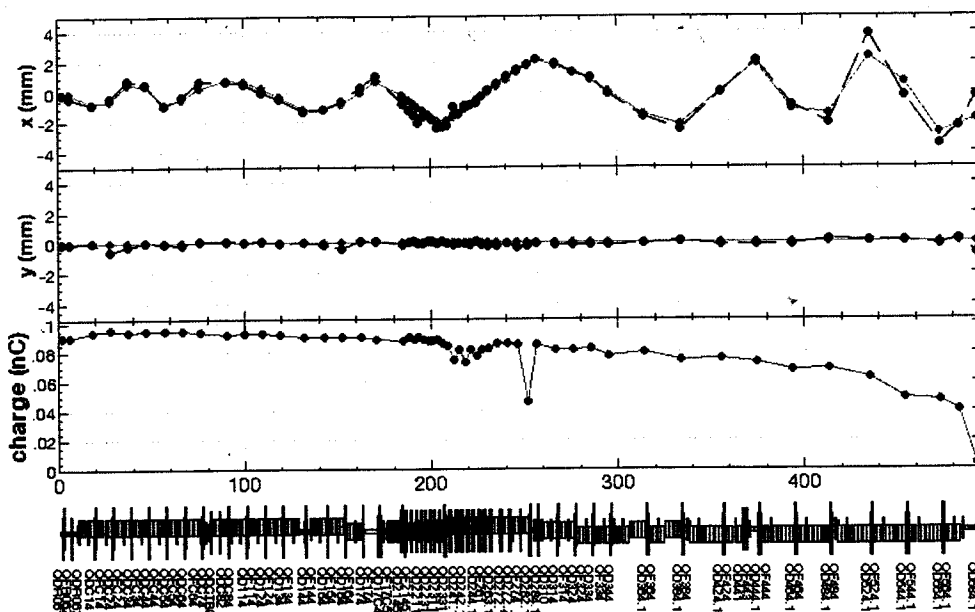
04/10/2008 19:51:59



Read Optics		Steering(X)	SXC13	Select Q	
s1 (m)	0	K0	2E-4	QF364	K1 74638644
s2 (m)	300	Set		QD384	AF 1.01
Set ref		Steering(Y)	SY242	QF384	Set ref
Clear ref	K0		7E-5	QD424	Set
				QF424	
				QD441	

File Edit Window

04/10/2008 20:02:24



Read Optics		Steering(X)	SXC13	Select Q	
s1 (m)	0	K0	2E-4	QD174	K1 58479844
s2 (m)	500	Set		QF174	AF 95238095
Set ref		Steering(Y)	SY242	QD17C4	Set ref
Clear ref	K0		7E-5	QF17C4	Set
				QF17C5	
				QD17C5	

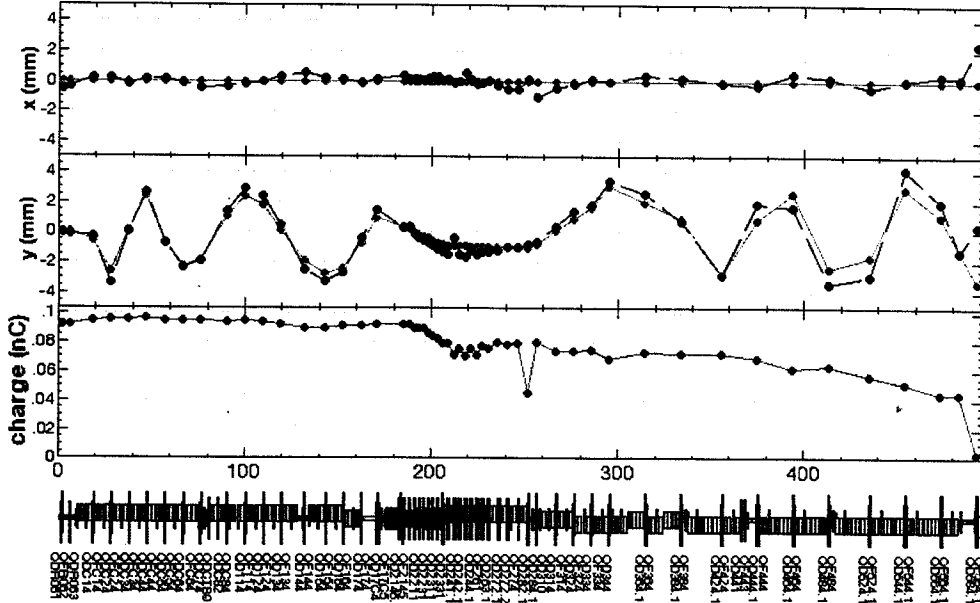
Y方向

90°位相ずらして測定
af.

20:20

QD 310	1/1.4
QD 344	1.01
QD 384	1/1.08

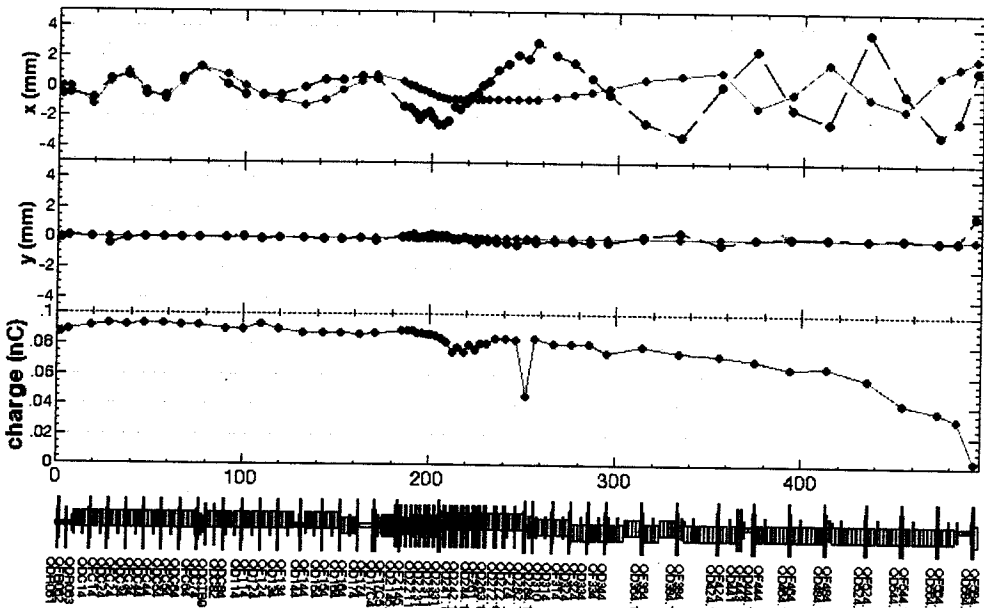
File Edit Window 04/10/2008 20:25:04 Help



Read Optics	Steering(X) SXC13	Select Q	
s1(m)	0 K0	QD344	KI -4119004
s2(m)	500 Set	QF344	AF 92592592
Set ref	Steering(Y) SYC13	QD364	Set ref
Clear ref	K0 1.5E-4	QD384	Set
Plot orbit	Set	QF384	

Orbit Response on localhost:17.0

File Edit Window 04/10/2008 20:32:36



x方向に kickすると、再現し可い

dataの引取 offlineで一度に Matching 可ることには

Read Optics	Steering(X) SXC11	Select Q	
s1(m)	0 K0 1.5E-4	QD344	KI -4119004
s2(m)	500 Set	QF344	AF 92592592
Set ref	Steering(Y) SYC13	QD364	Set ref
Clear ref	K0 0	QD384	Set
		QF384	

89

20:35

2008.4.17(木) Linac ビームエネルギーゲイン問題

PF-AI 射用 KEKBe⁻ 射用 13-X-X
↓ ↓

```
! phase last0qfe.phase.all (2008/04/10 01
!
!NAME      last0qfe      current      diff
SH_A1_S1   389.5          25.6         -363.9
SH_A1_S8   58.2           43.4         -14.8
SB_A       105.5          95.0         -10.5
SB_B       105.5          95.0         -10.5
KL_B5      339.9          340.6         0.7
KL_B6      63.7           63.0         -0.7
SB_C       94.0           89.5         -4.5
SB_1       94.0           89.5         -4.5
SB_2       94.5           89.5         -5.0
SB_3       276.5          89.5         -187.0
SB_4       276.5          89.5         -187.0
SB_5       278.9          100.0        -178.9
KL_51      371.8          355.8        -16.0
KL_52      203.3          219.3         16.0
KL_61      302.5          300.5         -2.0
```

16:44

18:54

SABOT

PF-AI
KEKBe⁻

un-normalized
"

18:5B=37
19:26=44

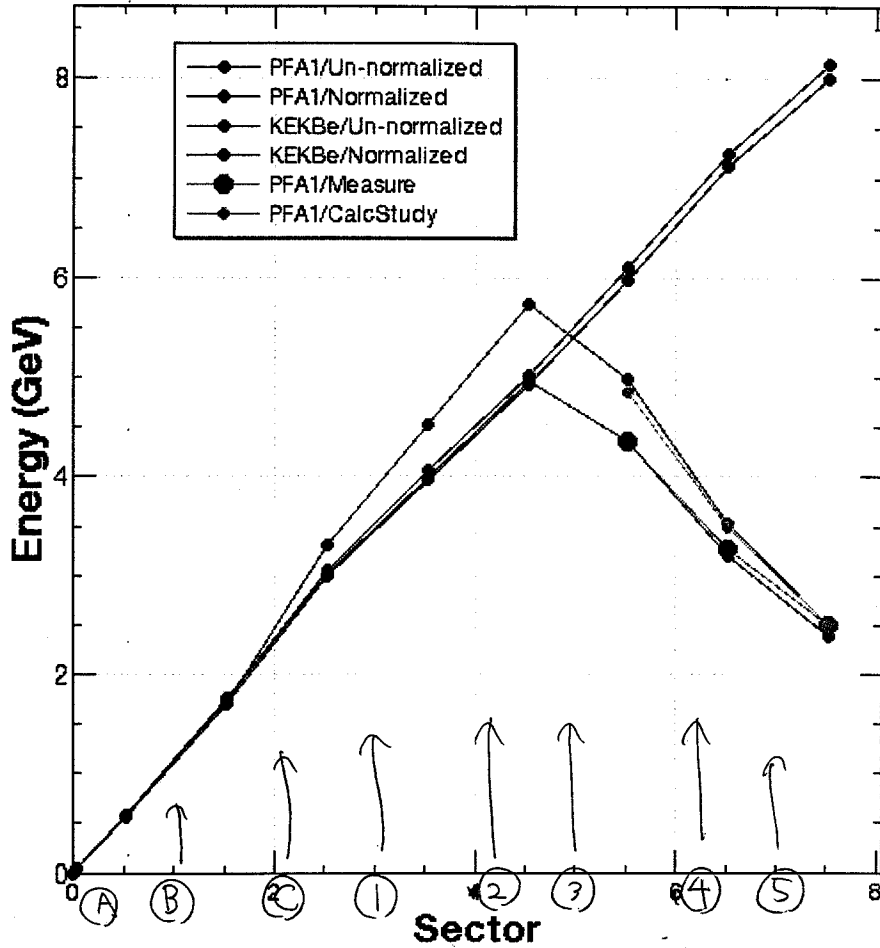
normalized 19:07:19
③(X) 19:28:30
↓
19:30:10

	PFAI (UN)	PFAI (Norm)	KEKBe ⁻ (UN)	KEKBe ⁻ (Norm)	
	A11	0.043	0.042	0.043	0.042
(A)	AA4	0.577	0.560	0.572	0.557
(B)	BB4R01	1.752	1.700	1.747	1.700
(C)	C84	3.022	3.302 ?	3.059	2.992
(D)	17C5	3.994	4.527 ?	4.062	3.994
(E)	284	4.958	5.743 ?	5.024	4.927
(F)	384	4.352	4.979 ?	6.103	5.988
(G)	61F1	2.386	2.500	8.146	8.000
(H)	484	3.197	3.523	7.253	7.120

phase data1783.phase all (2008/04/09				
		SGW Study #	CEVe Study #	
NAME		data1783	current	diff
SH_A1	S1	389.4	25.6	-363.8
SH_A1	S8	58.2	43.4	-14.8
SB_A		92.5	95.0	2.5
SB_B		92.5	95.0	2.5
KL_B5		340.7	340.5	-0.2
KL_B6		62.9	63.1	0.2
SB_C		94.5	89.5	-5.0
SB_1		94.5	89.5	-5.0
SB_2		94.5	89.5	-5.0
SB_3		94.5	89.5	-5.0
SB_4		94.5	89.5	-5.0
KL_51		359.9	355.9	-4.0
KL_52		215.2	219.2	4.0

phase data1785.phase all (2008/04/10				
		25 GW Study #	5.0 GW Study #	
NAME		data1785	current	diff
SB_A		103.5	92.5	-11.0
SB_B		103.5	92.5	-11.0
KL_B5		341.5	339.0	-2.5
KL_B6		62.1	64.6	2.5
SB_C		88.5	94.5	6.0
SB_1		88.5	94.5	6.0
SB_2		100.0	94.5	-5.5
SB_3		282.0	94.5	-187.5
SB_4		282.0	94.5	-187.5
SB_5		278.9	100.0	-178.9
KL_51		375.9	359.9	-16.0
KL_52		199.2	215.2	16.0

2008_04_17 20:27:46



20:39

大西計算之 final energy 2.5GeVに Normalize. した時 (青色)
 のビームエネルギーの計算値の計-おかし。
 実測値 (緑色) は. un-normalized の計算値 (紅色) と consistent.