

bs 612	615	bs 613	614	dx
+3.106	+3.106	0	0	1.948 , 2.308
		0.5		2.207 , 1.838
		0.25		2.252 , 2.663
		-0.25		2.015 , 2.641
		-0.50		1.648 , 1.667
		(E1 E2 = 3.54 ~ 3.56 (= 変更))		18値は 3.50 ~ 3.52
		-0.50		3.19 , 2.605
		0.00		2.981 , 2.586

+2.906	"	"	0	2.852
	(E1, E2 = 3.50 ~ 3.52 (= 変更))			
+2.906				2.071 2.079
+2.706				2.189 2.357
+2.506				2.044 1.994
↓				
+3.106	+3.106	0.0	0.0	2.15 2.298

→ η ~ 350  
75mm  
616

3.52  
3.50  
3.54

612	613	614	616	618
+2mm	+1mm	-2.5mm	-1.5mm	) <del>2.5mm</del> +3.85mm <del>2.8mm</del> -4.3mm
-1mm	-7mm	-6.0mm	+1.0mm	
+7mm	+10mm	+1.0mm	-5mm	
η = (+701mm)	(+491mm)	(614mm)	(-526mm)	(-715mm)

2mm  
130mm

QD-61-6 = +9.915 → 0

QF " = +5.641 → 0

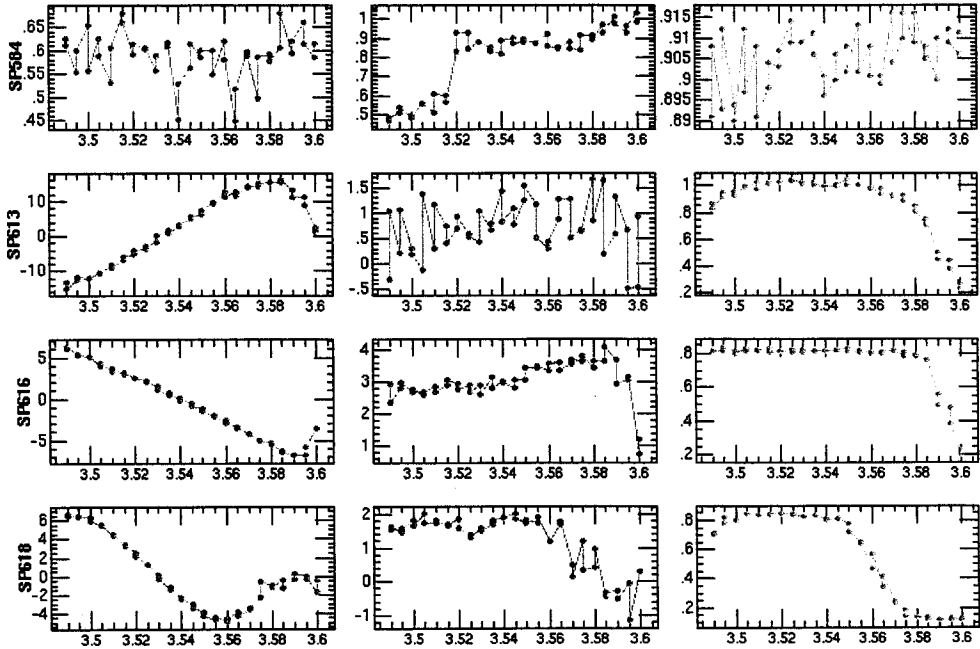
x, y Position は 動かない

BX-61-6 = 0.0

BY = -2.0

bs-61-6	dx
0.0	2.291 , 2.131
+0.5	2.011 , 1.729
+1.0	2.028 , 1.848

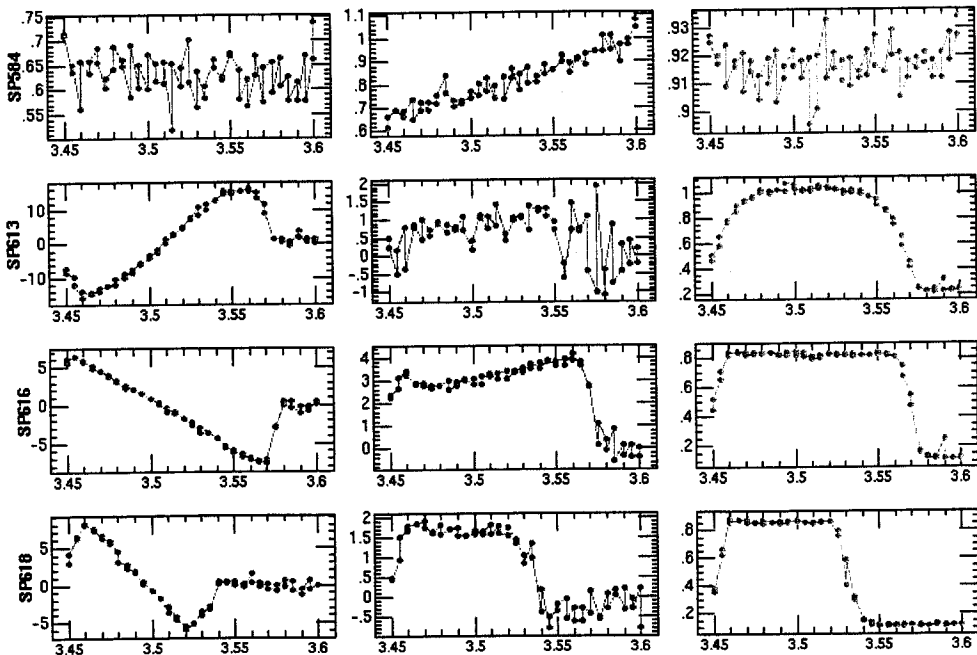
補助工員を 少く振った程度では Dispersion を 減らせる。



BS-6L2  
(6L5)  
= -1.004

BS-6L3  
(6L4)  
= -2.214

/usr/users/control/data/emittance/2002-12/ecs.20021210-1345

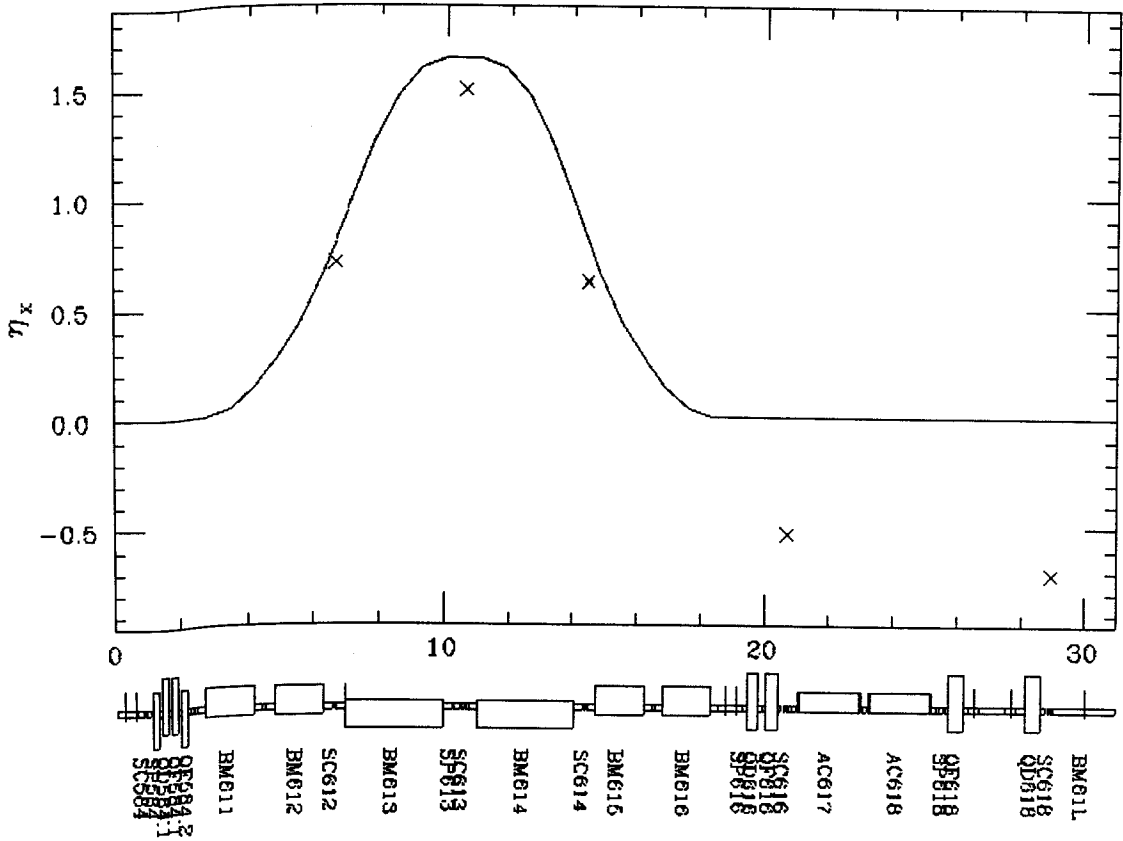


BS-6L2  
(6L5)  
= +3.006

BS-6L3  
(6L4)  
= 0.0

/usr/users/control/data/emittance/2002-12/ecs.20021210-1436





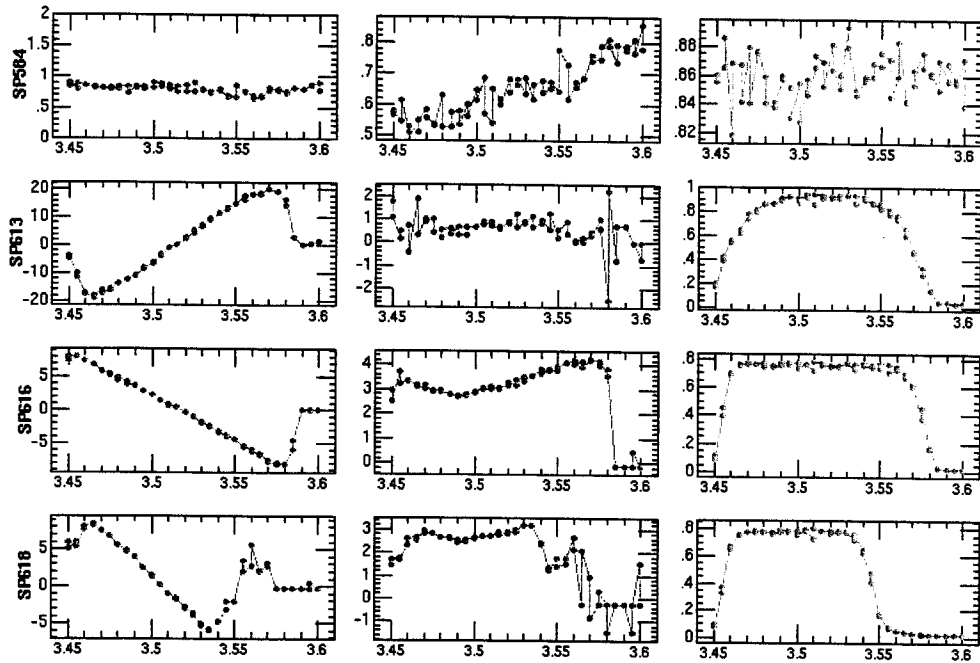
ECS acceptance Correlation 測定.

bs\_61-2 (5) = +3.104  
 bs\_61-3 (4) = 0.

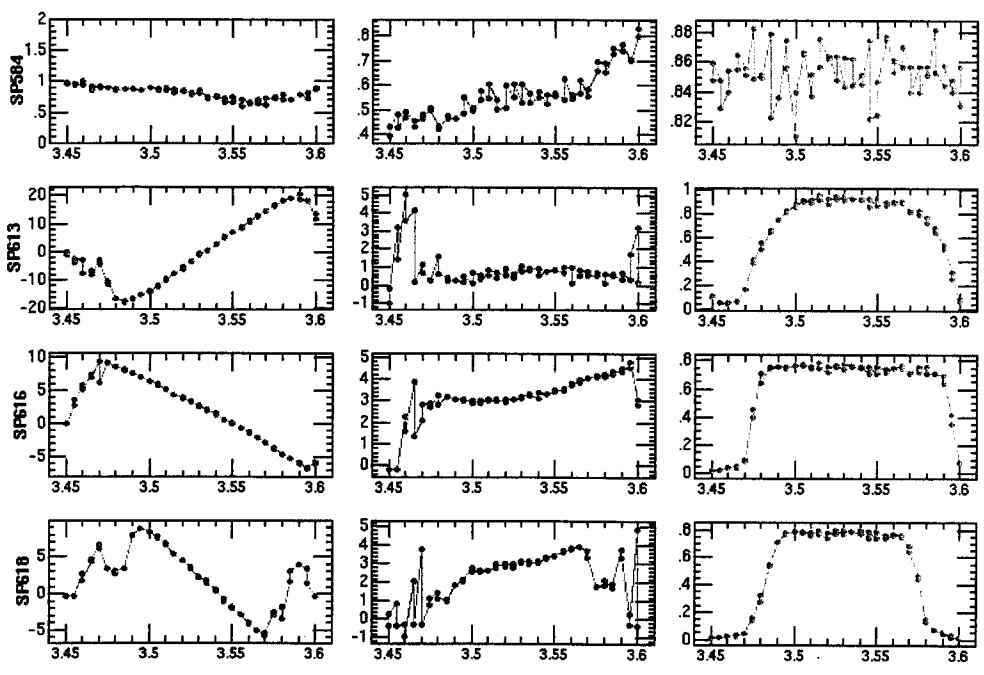
→ SAVE (2212)

bs\_61-2 (5) = -1.004  
 bs\_61-3 (4) = -2.214

→ SAVE (2223)



/usr/users/control/data/emittance/2002-12/ecs.20021210-2212



/usr/users/control/data/emittance/2002-12/ecs.20021210-2223



BM-61-2/3/4/5

I = 375.458

☆ 374.000

このスキャンは超極線検出器の調整

373.000

6162 E-Beamの Eknobを調整

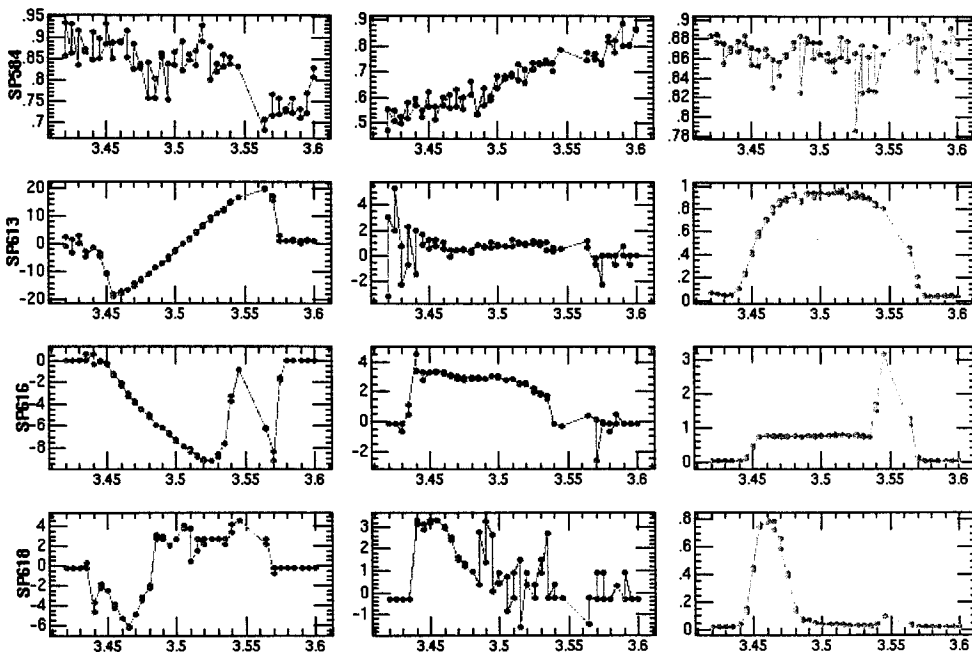
ECS correlat. 測定

SAVE

2259

File Edit Command Window

12/19/2002 23:01:32 Help



/usr/users/control/data/emittance/2002-12/ecs.20021210-2259

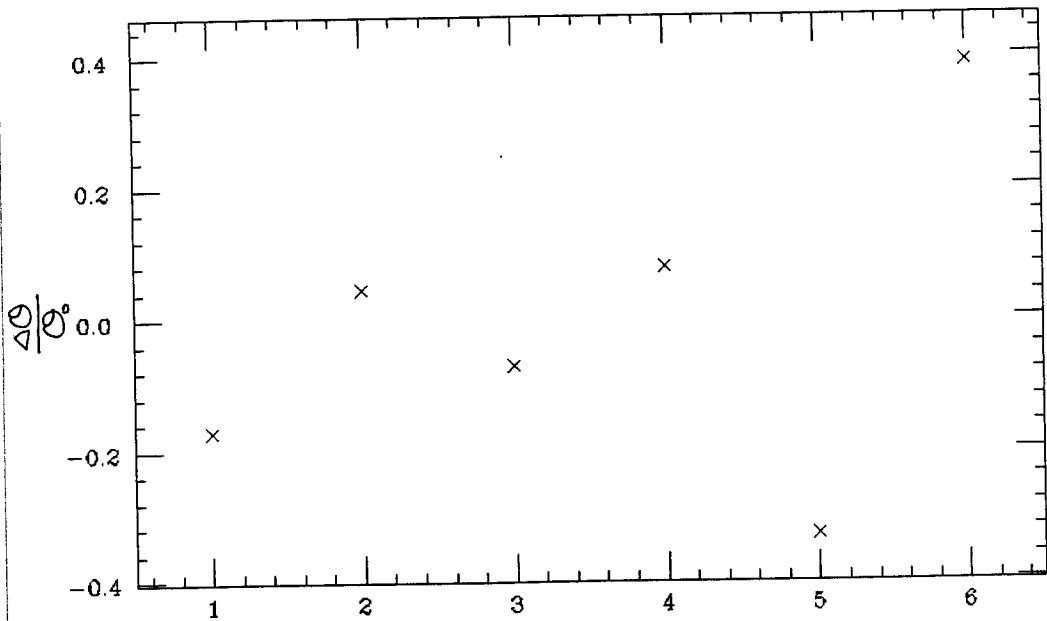
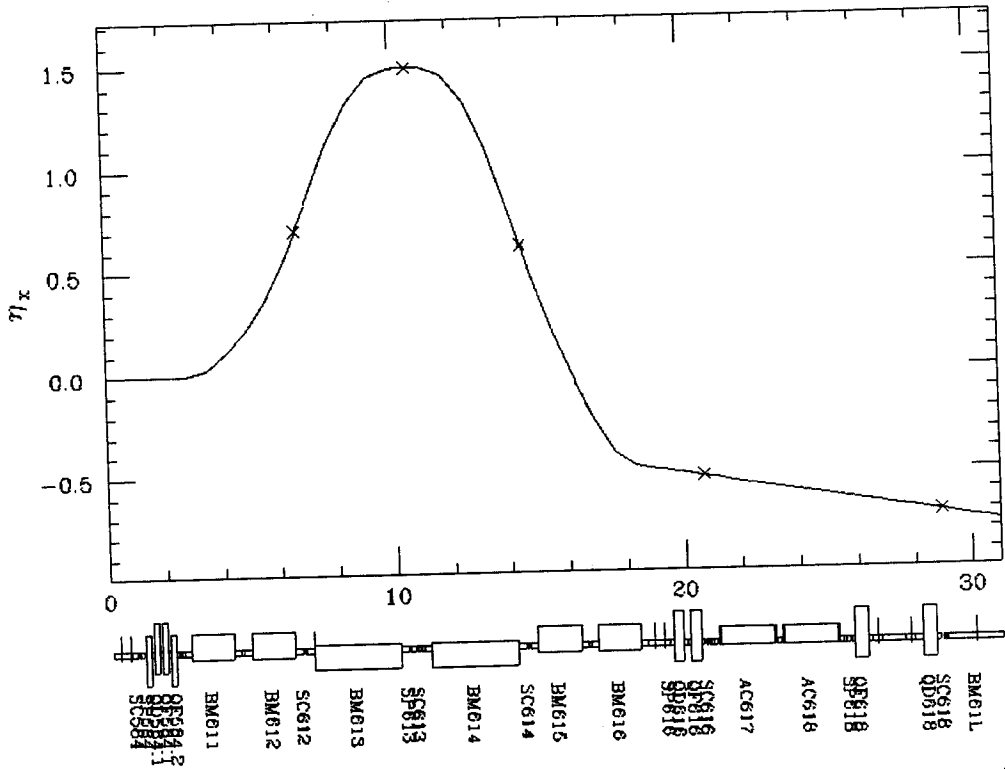
23:29

BM-61-2/3/4/5 調整器切り替え完了。(KEKB状態へ)

BM-61-1/6 及び BM-61-2(→) 初期化 ①②③④

仮定 1.

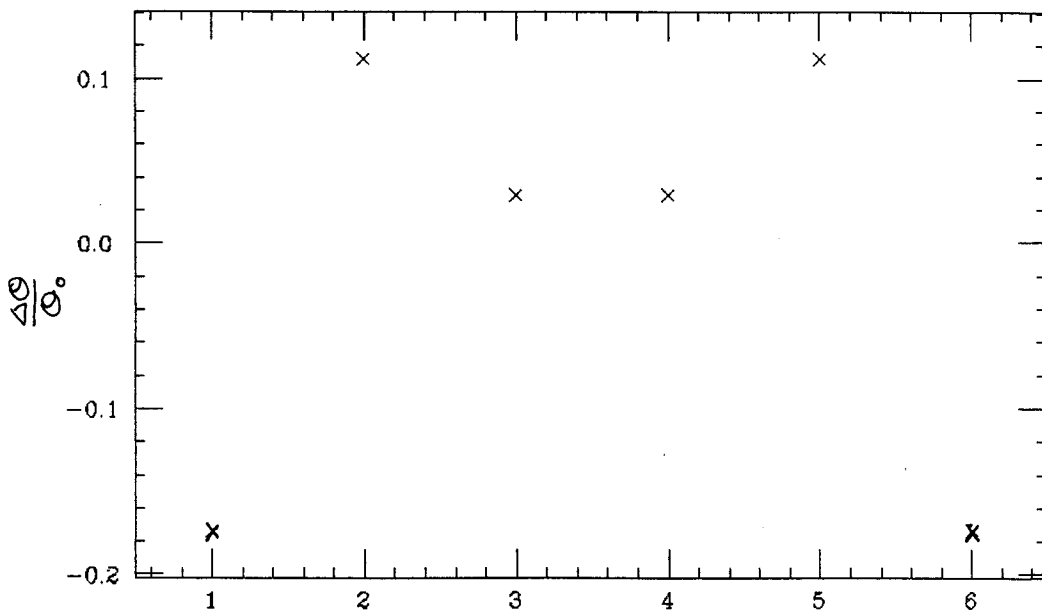
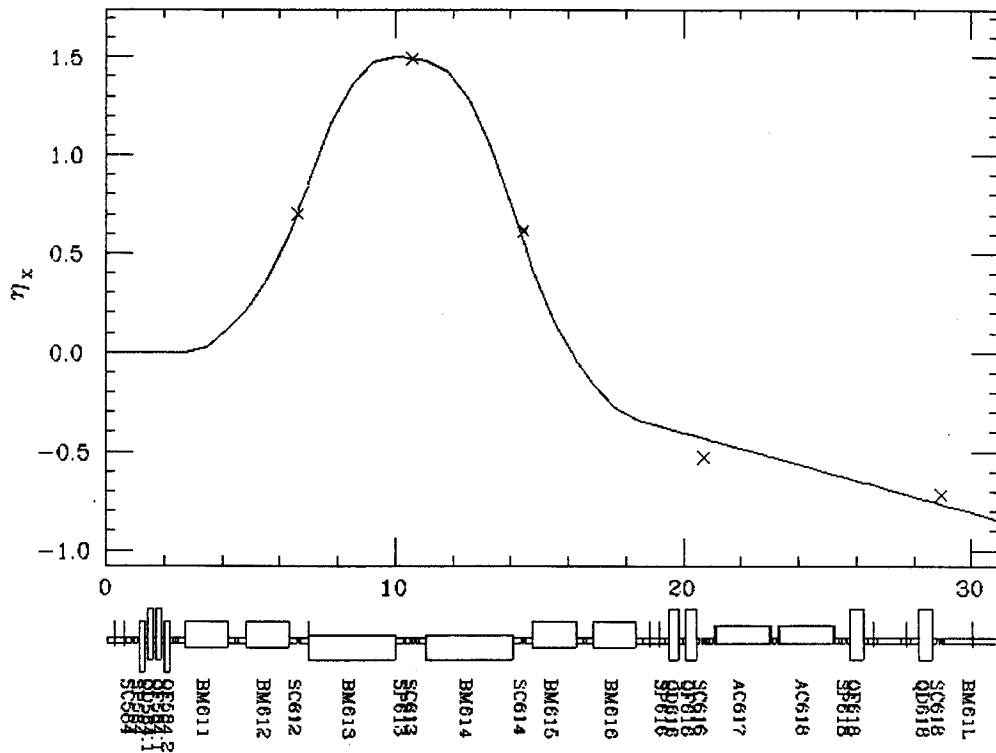
BM: free.



仮定 2

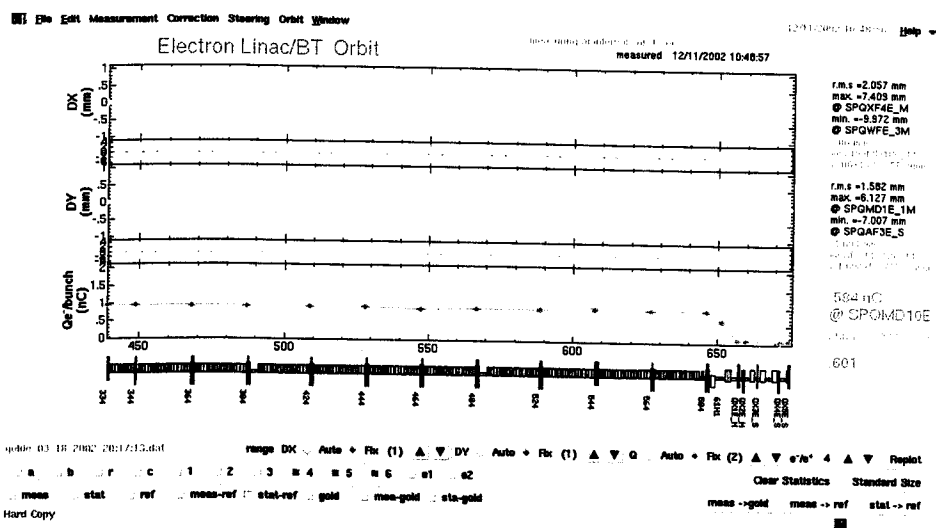
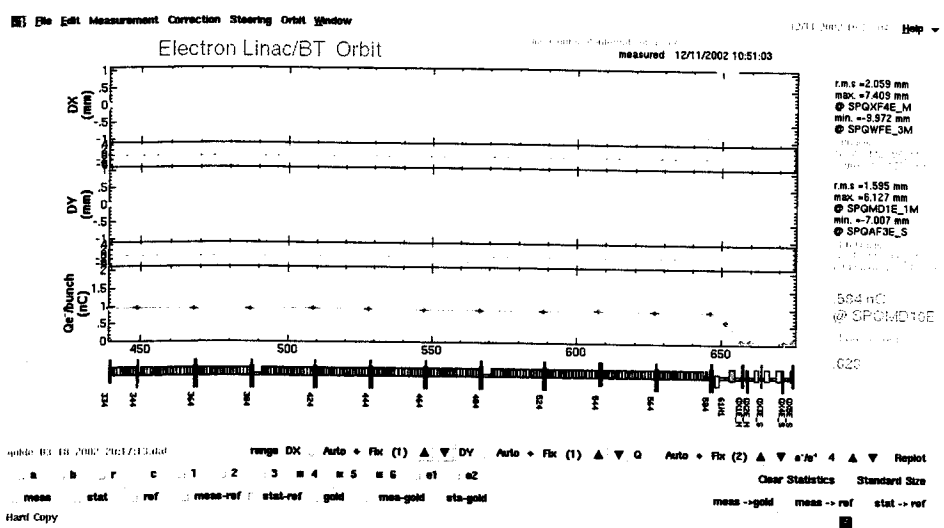
(BM 611, 616)  
 (BH 612, 615)  
 (BM 613, 614)

⇒ couple.



	$\Delta X$
SC 612	0.712 m
SC 613	1.357 m
SC 614	0.543 m
SC 616	-0.439 m
SC 618	-0.803 m

√ 8 GeV e<sup>-</sup> z<sup>0</sup> 測定 - 17" と ECS 10m Dispersion を 測定した。



\* 3.5 GeV e<sup>-</sup> z<sup>0</sup> ECS 測定は 17" と SC616, SC618 z<sup>0</sup> Dispersion を 確認した。(BM611 off)

\* 過去の測定は たとえば Oct. 10, 1999 Lognote #36 p178. ~ 50 MeV z<sup>0</sup> 7mm



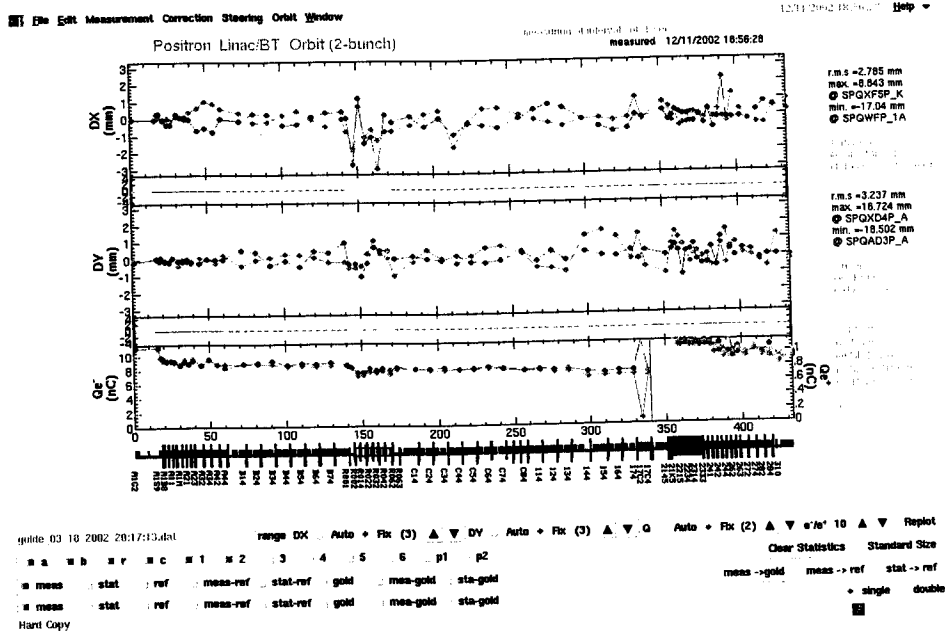
(2002, Dec. 11) Local Bump Study

18:10

- 2002.12.11 (土) の 15:42 の  $11.5 \times 7$  の開始 (2-bunch)
  - CERN - 自動軌道補正
  - BT - data 2437, all
  - Phase = 893, all
  - Delay = 218, all
- ε load して、先頭から自動軌道補正 (X, Y)  
 手動で Arc の軌道を調整後、  
 CERN - 自動軌道補正 (X, Y)

(SP: 11 dec 2002 test ISP - nominal  
 MG: 11 dec 2002 test IMG - nominal)

(nominal)



19:00

- NS - β の emittance 測定
- ② 2-bunch 出した状態で 1st bunch の測定 終了。うまく測れなかったため、1st only にする。これに測定できた。

