

FRS ESR MATCHED 5

septum  $dx=117\text{mm}$   
 $da = +7\text{mrad}$

SYSTEM PLOT

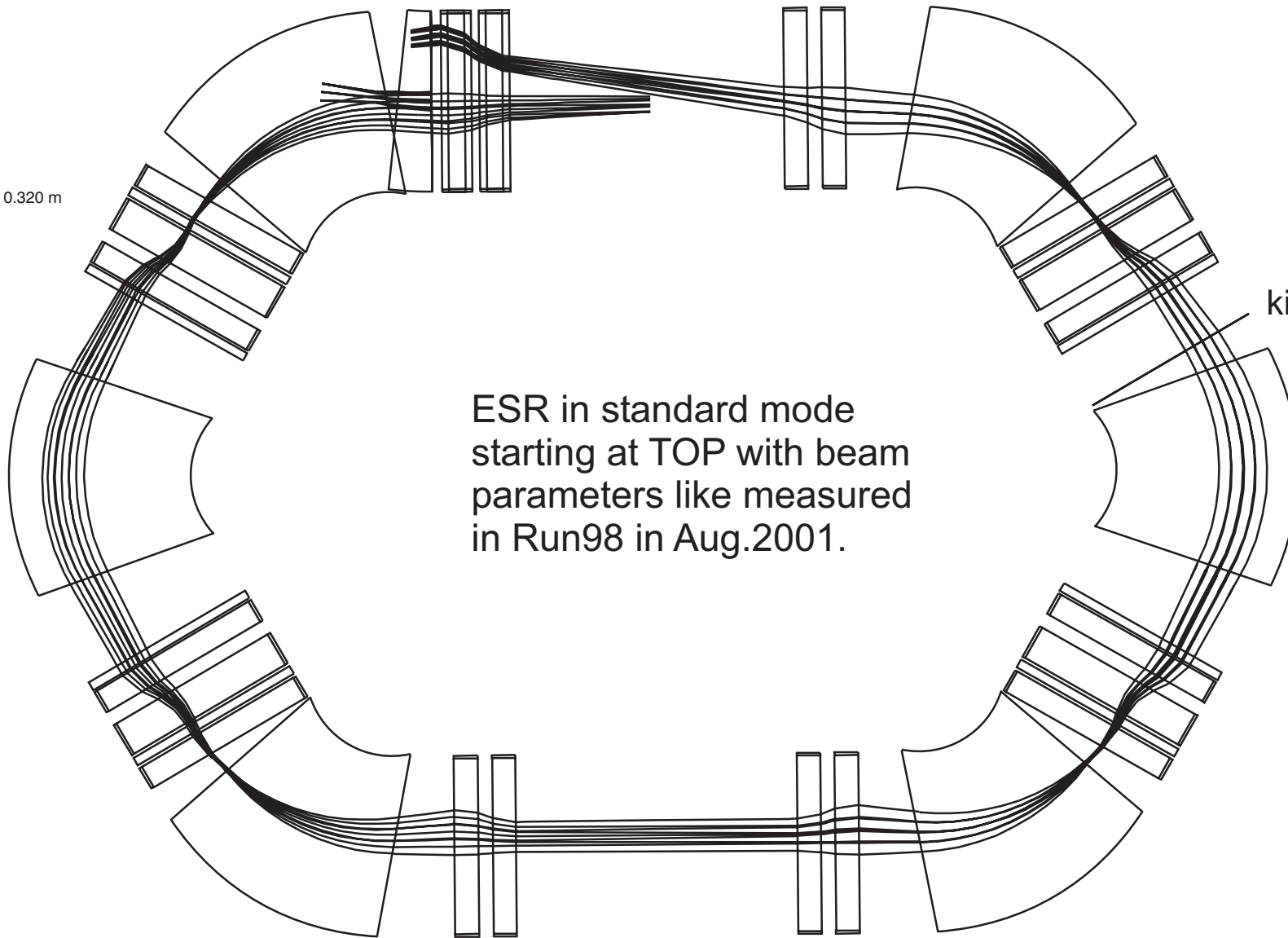
Mo Jan 29 19:58:16 CET 2007

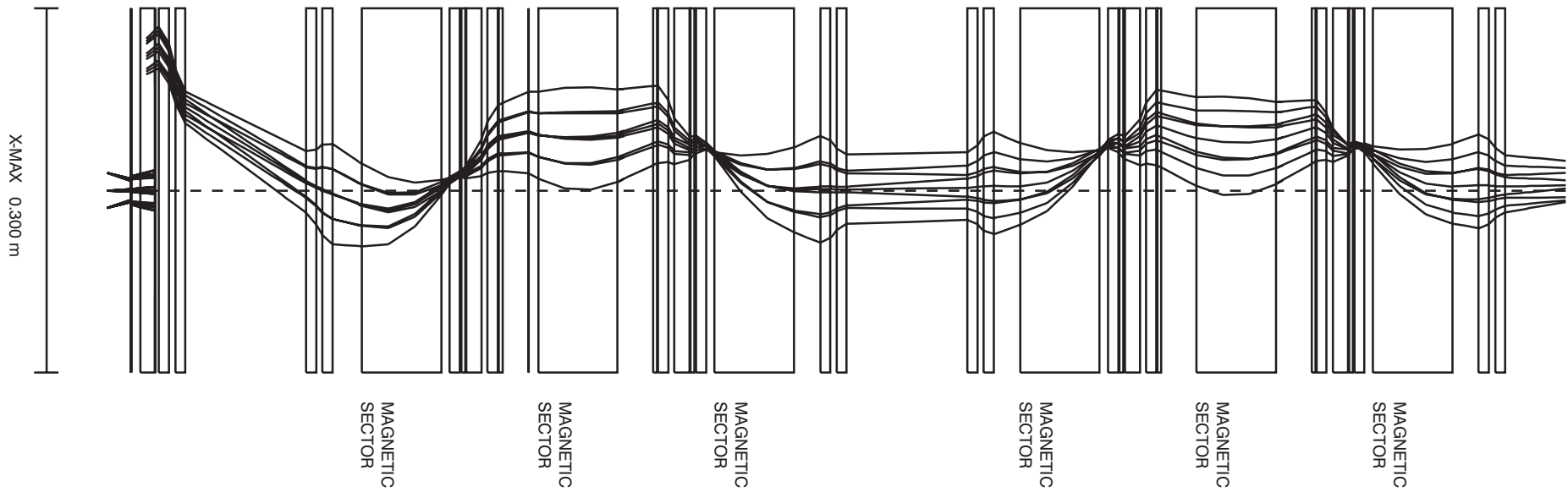
X-MAX 0.320 m

kicker=5mrad

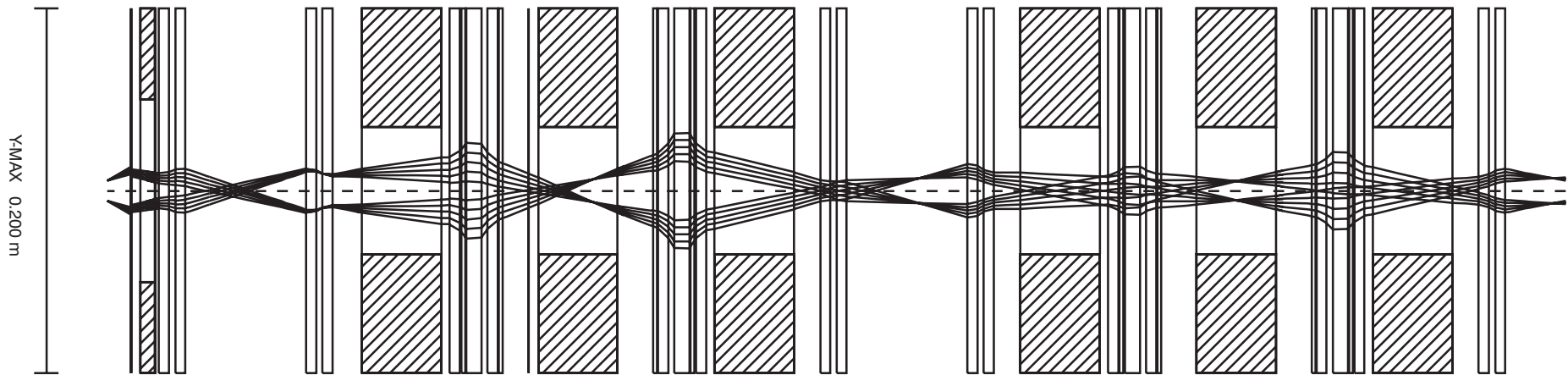
ESR in standard mode  
starting at TOP with beam  
parameters like measured  
in Run98 in Aug.2001.

10.000 m

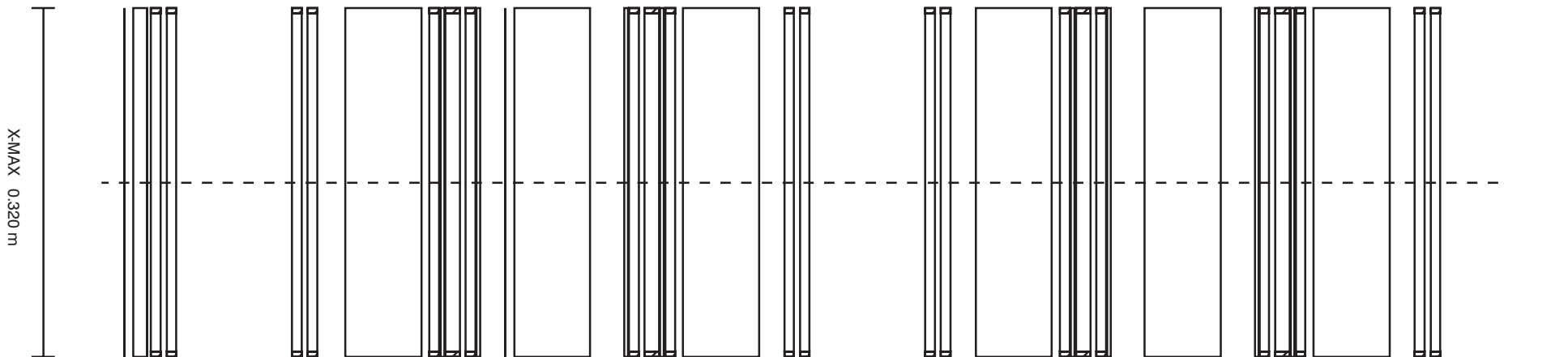




Plot for  $\epsilon_x = 7.5$  mm mrad,  $\epsilon_y = 6$  mm mrad.  
 $\epsilon_x = \epsilon_y = 20$  mm mrad would be the limit.



10.000 m



MAGNETIC SECTOR

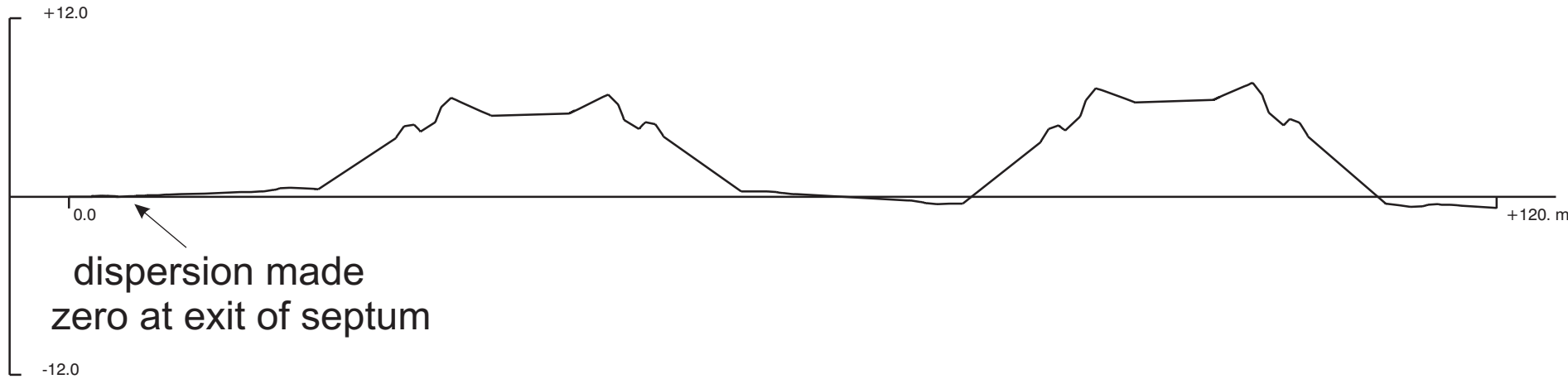
MAGNETIC SECTOR

MAGNETIC SECTOR

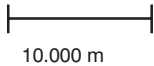
MAGNETIC SECTOR

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MAGNETIC SECTOR

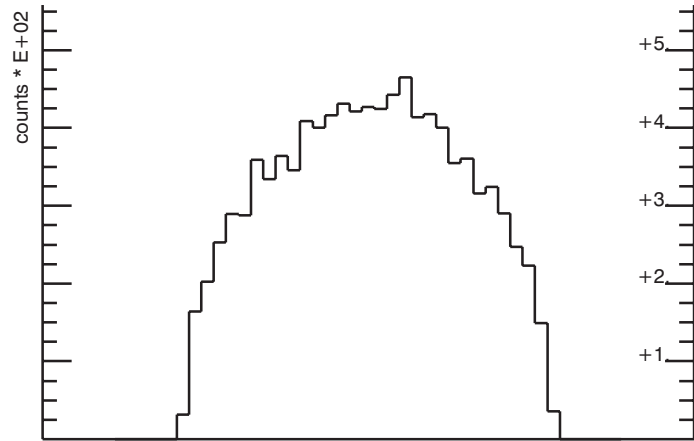


dispersion made zero at exit of septum

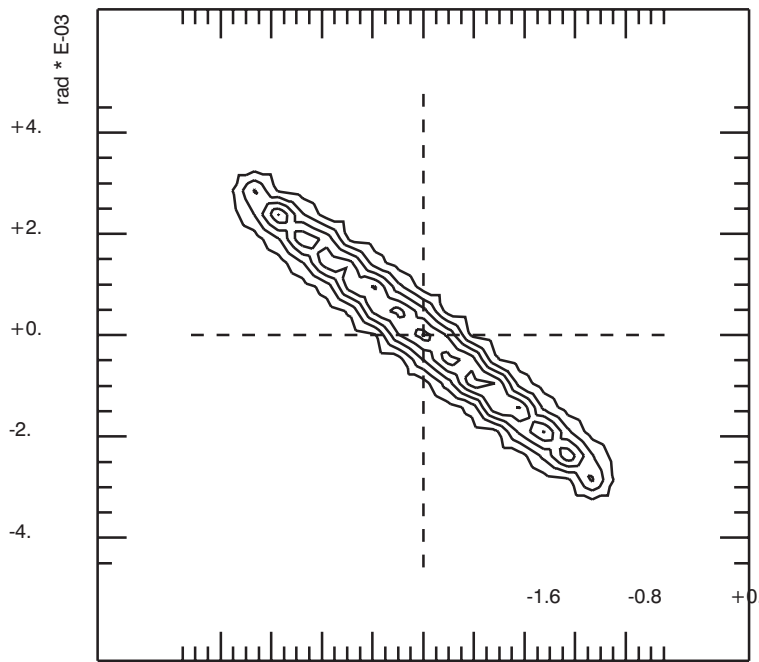


Expression: [X,D]/F

# FRS ESR MATCHED 5



max. count: 465



max. count: 408

m \* E-02

# PHASESPACE PLOT

Mo Jan 29 20:04:00 CET 2007

PHASESPACE PLOT OF (Xf,Af) AT 0.000 M

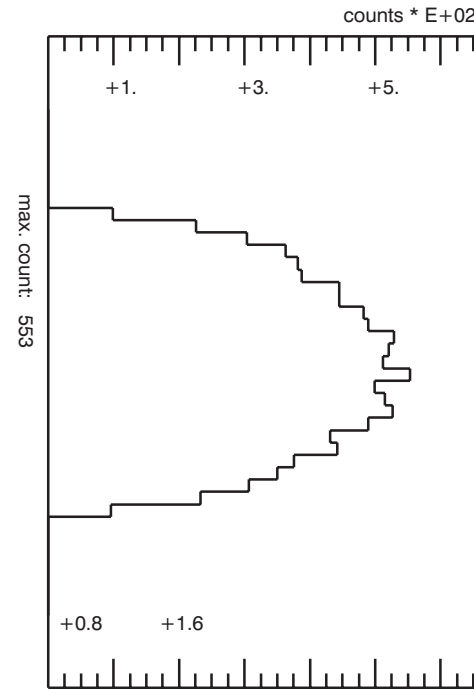
10000 PARTICLES STARTED  
10000 PARTICLES IN WINDOW

PARTICLES STARTED IN PHASESPACE

X = +- 0.01461506  
A = +- 0.00051317  
Y = +- 0.00561783  
B = +- 0.00106803  
G = +- 0.00000000  
P = +- 0.01000000

NUMBER OF MASSES : 1  
NUMBER OF ENERGIES : 1

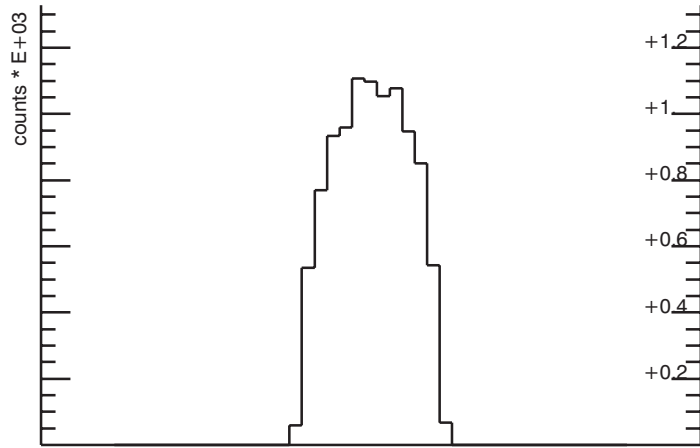
CALC MODE: SYSTEM MATRIX  
CALC ORDER: 2



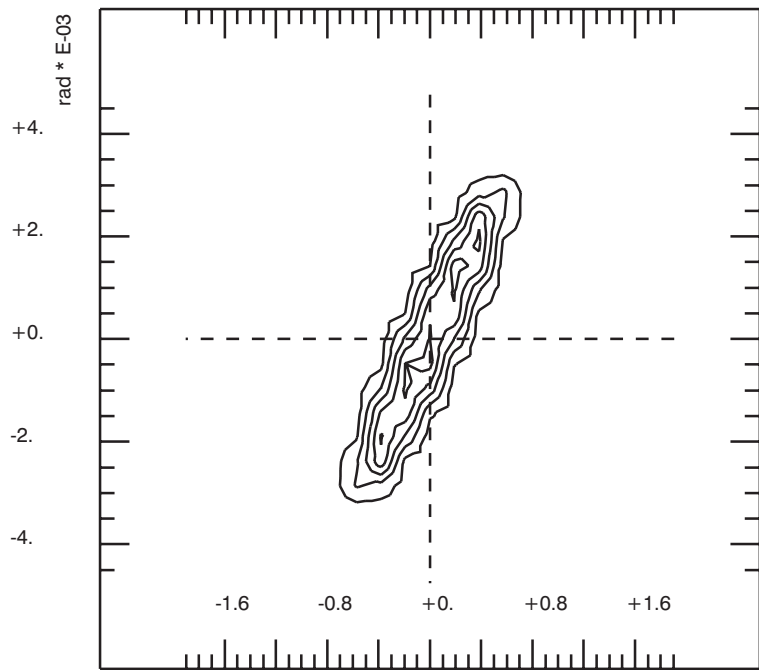
max. count: 553

beam at TOP  
0.47m behind last quad,  
starting point for other plots.

# FRS ESR MATCHED 5



max. count: 1107



max. count: 505

m \* E-02

# PHASESPACE PLOT

Mo Jan 29 20:04:00 CET 2007

PHASESPACE PLOT OF (Yf,Bf) AT 0.000 M

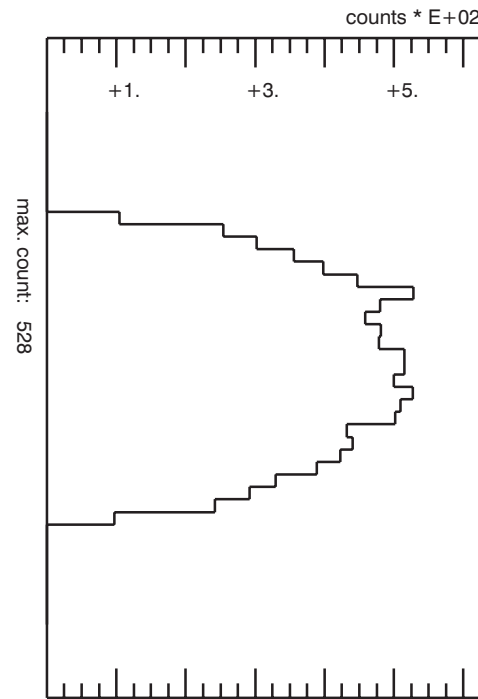
10000 PARTICLES STARTED  
10000 PARTICLES IN WINDOW

PARTICLES STARTED IN PHASESPACE

X = +- 0.01461506  
A = +- 0.00051317  
Y = +- 0.00561783  
B = +- 0.00106803  
G = +- 0.00000000  
P = +- 0.01000000

NUMBER OF MASSES : 1  
NUMBER OF ENERGIES : 1

CALC MODE: SYSTEM MATRIX  
CALC ORDER: 2



max. count: 528

beam at TOP  
0.47m behind last quad,  
starting point for other plots.