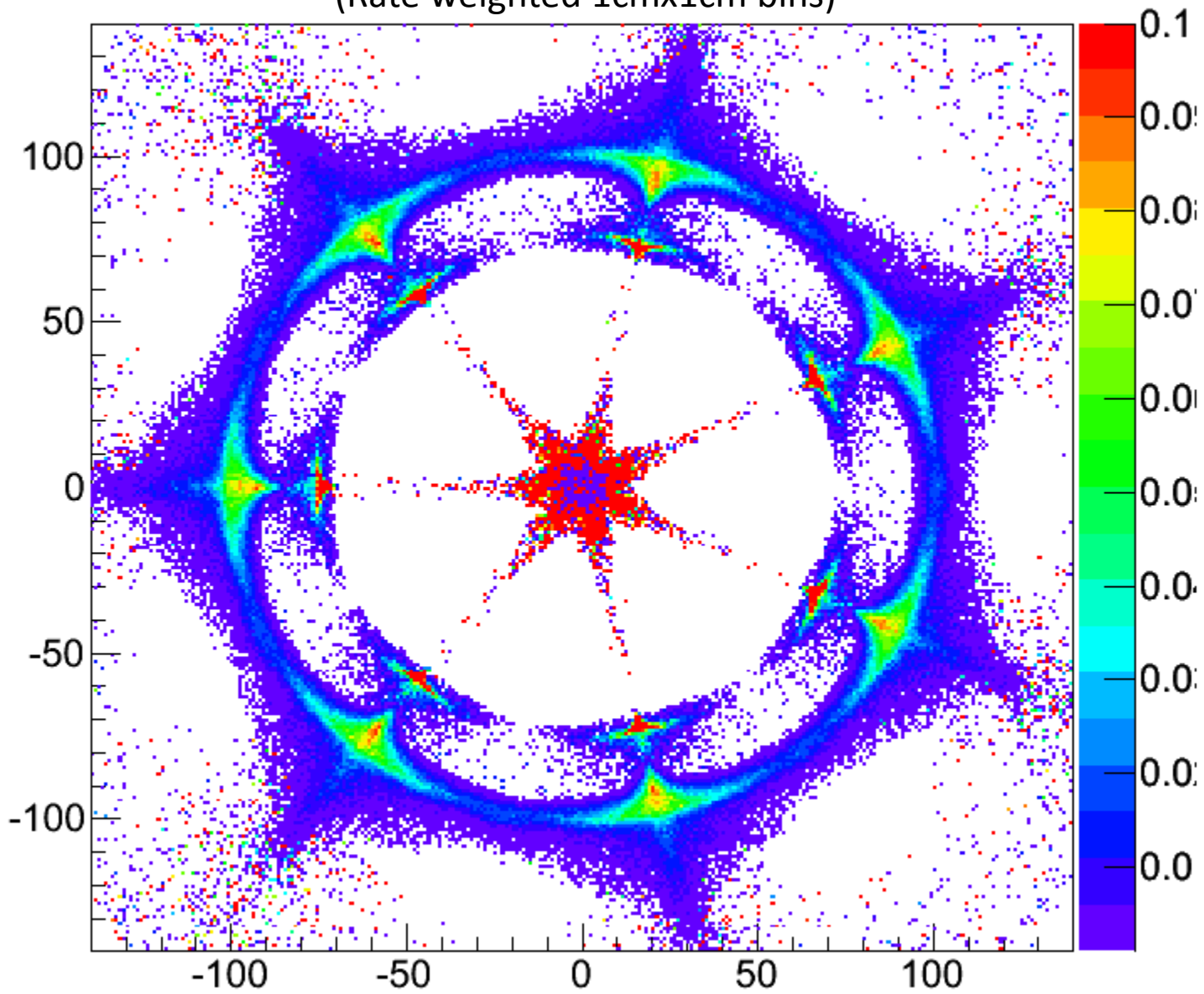
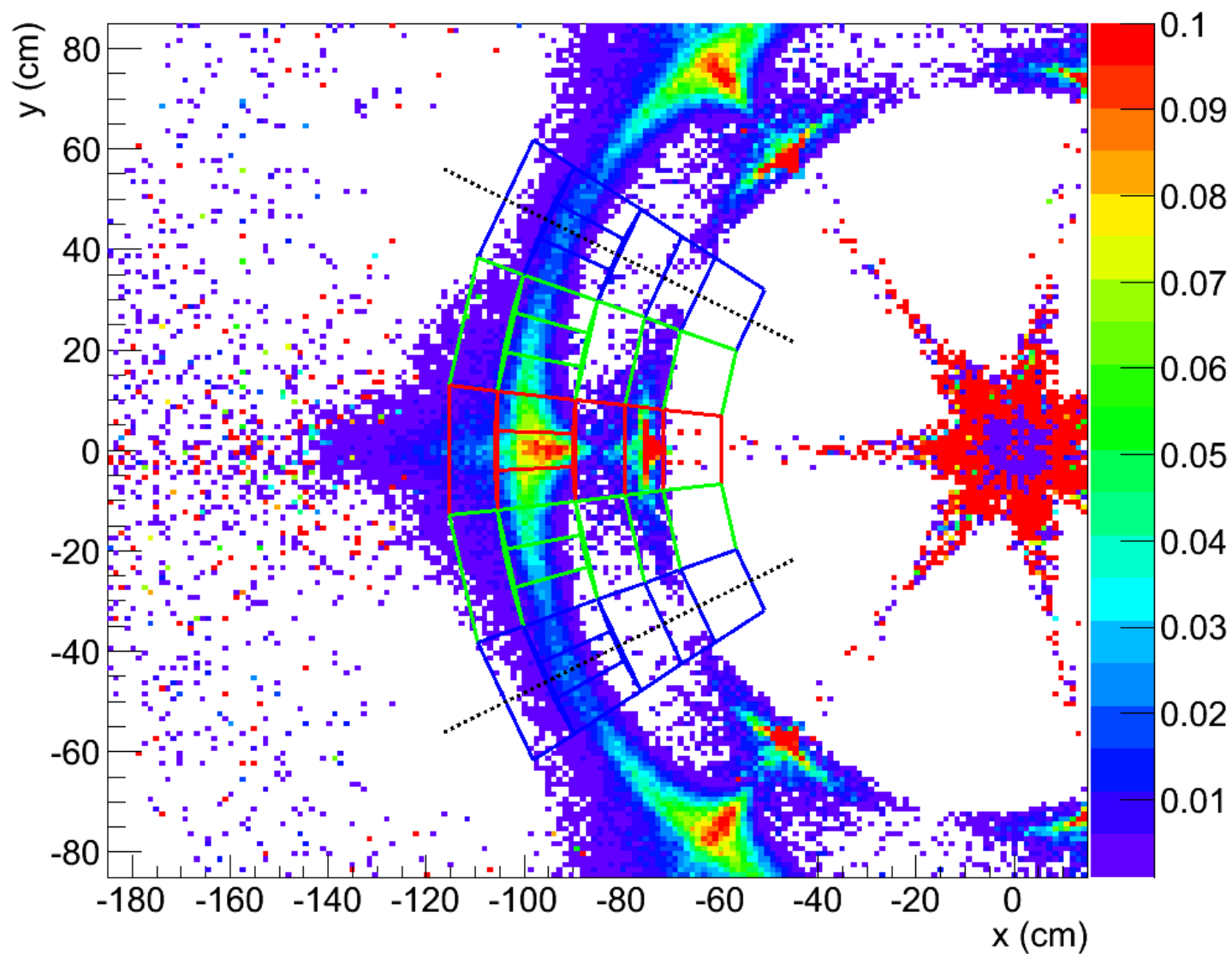


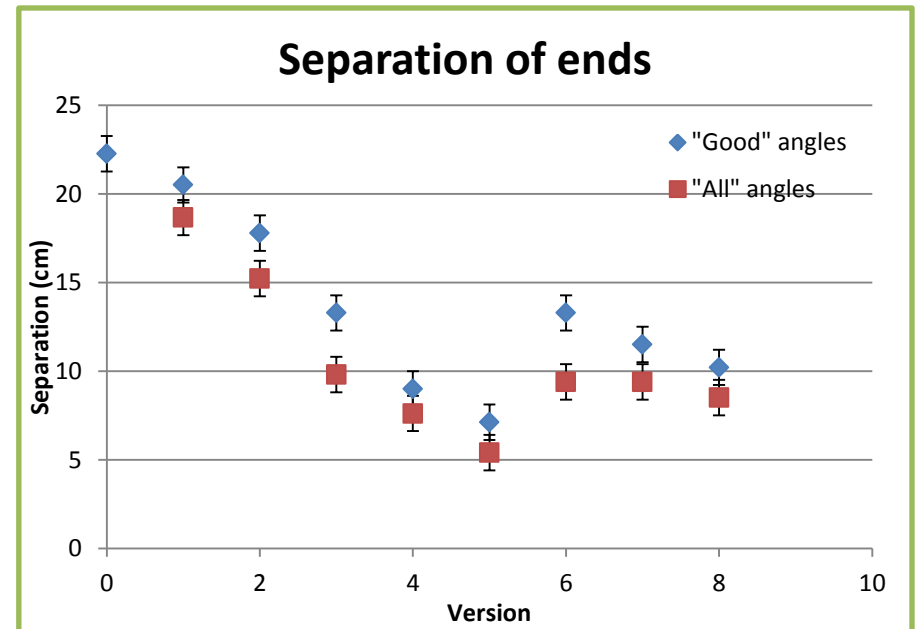
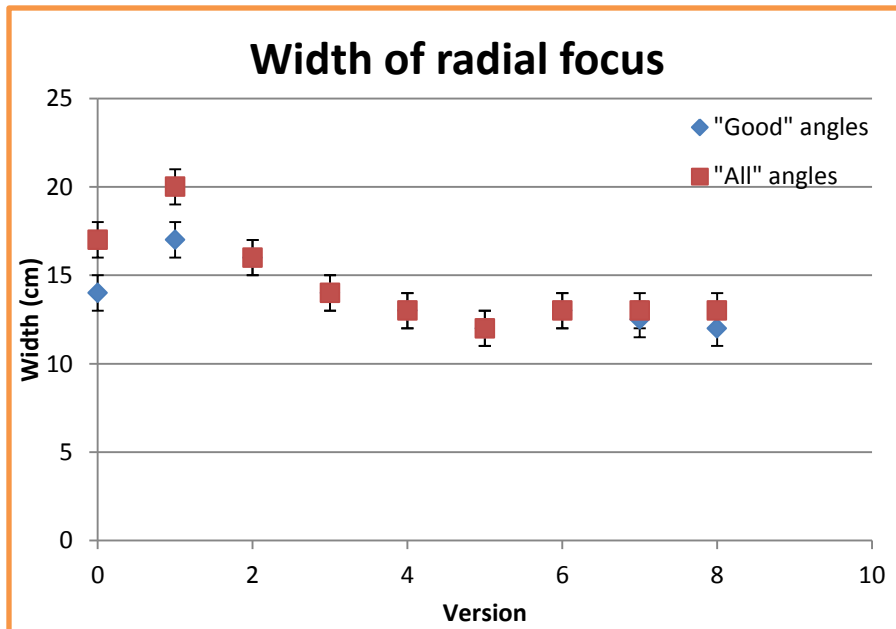
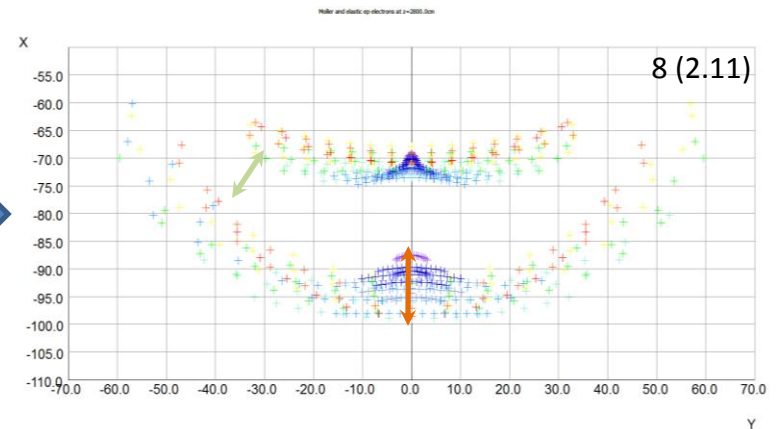
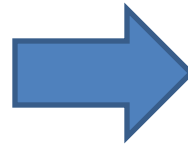
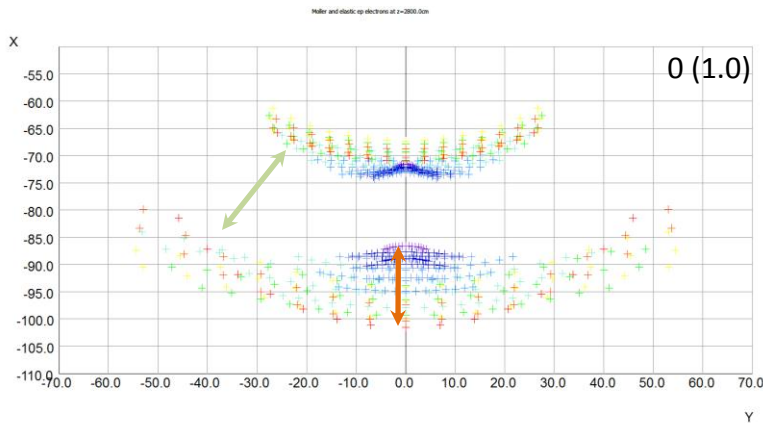
Moller and ep electrons
(Rate weighted 1cmx1cm bins)



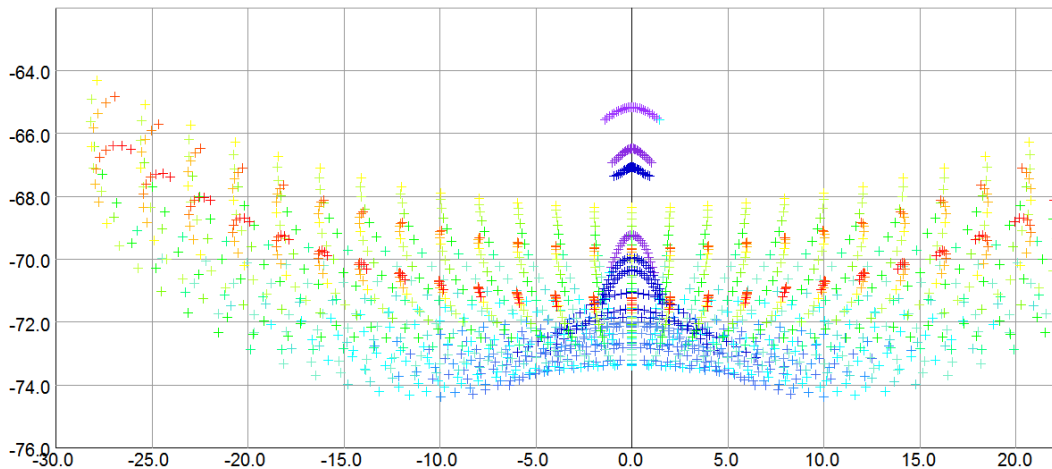
Moller and ep electrons (GHz/cm^2)



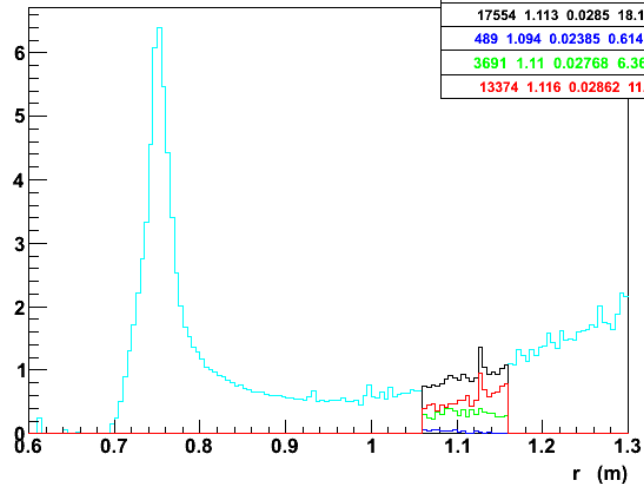
"Quantifying" the Results



X



rate (GHz)/5mm



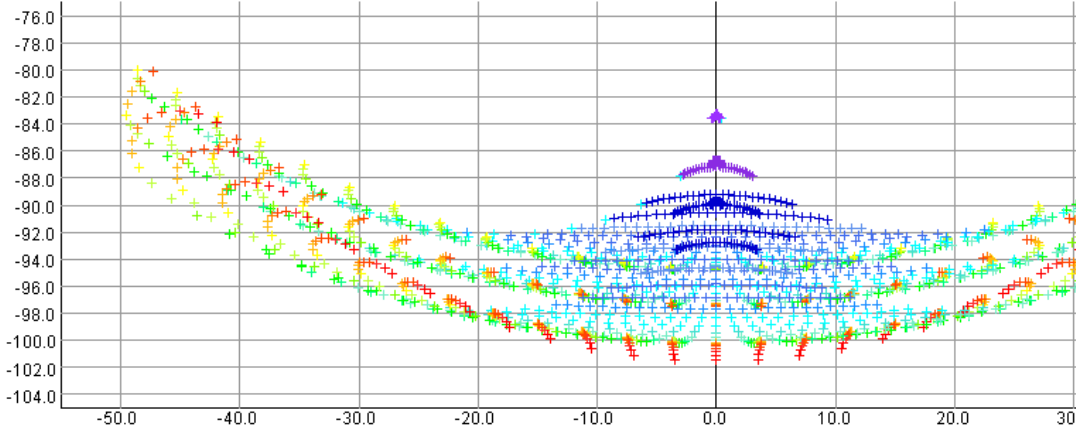
Entries	Mean	RMS	Int
440610	0.974	0.2073	149.7
17554	1.113	0.0285	18.11
489	1.094	0.02385	0.6143
3691	1.11	0.02768	6.362
13374	1.116	0.02862	11.14

Y

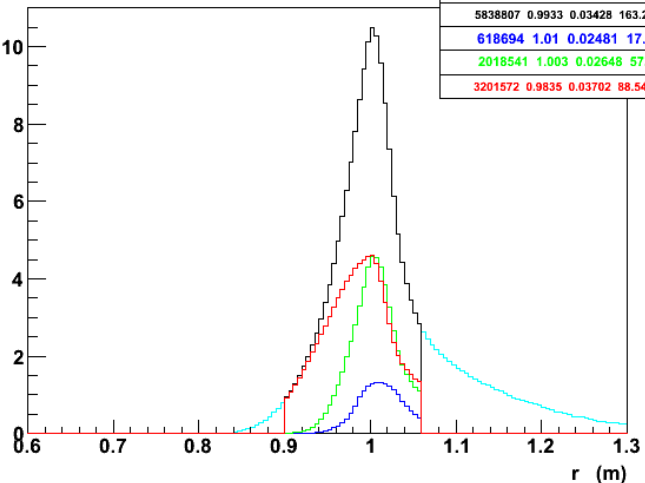
14/Feb/2013 10:32:44
Opera

up (z0 = -75 cm) 5.5 (purple) to 15 (red) mrad
 middle (z0 = 0 cm) 6.0 (purple) to 17 (red) mrad
 down (z0 = 75 cm) 6.5 (purple) to 19 (red) mrad

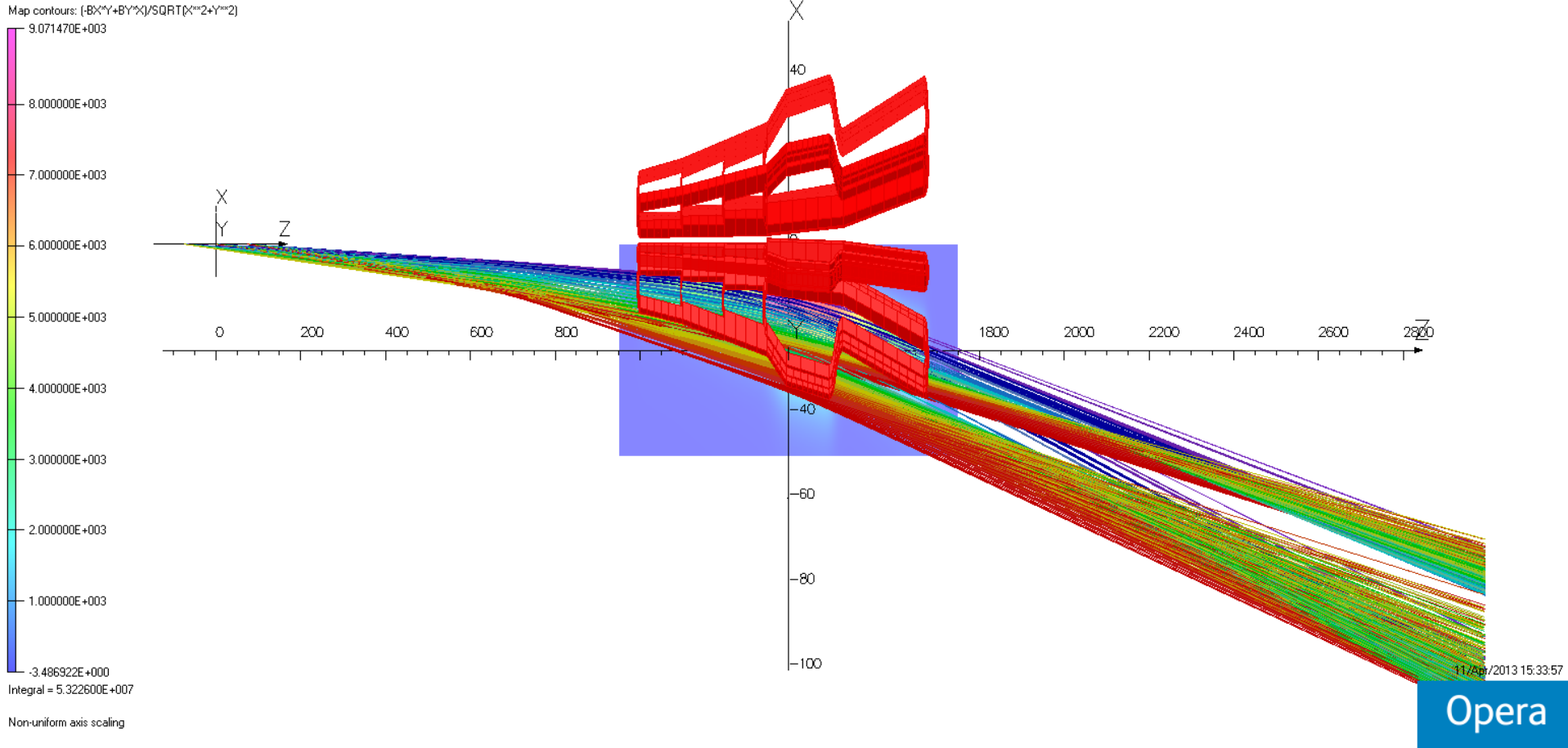
X



rate (GHz)/5mm



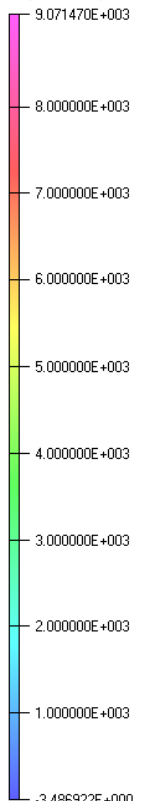
Entries	Mean	RMS	Int
7486755	1.024	0.07521	215.6
5838807	0.9933	0.03428	163.2
618694	1.01	0.02481	17.53
2018541	1.003	0.02648	57.05
3201572	0.9835	0.03702	88.54



up (z0 = -75 cm) 5.5 to 15 mrad
 middle (z0 = 0 cm) 6.0 to 17 mrad
 down (z0 = 75 cm) 6.5 to 19 mrad

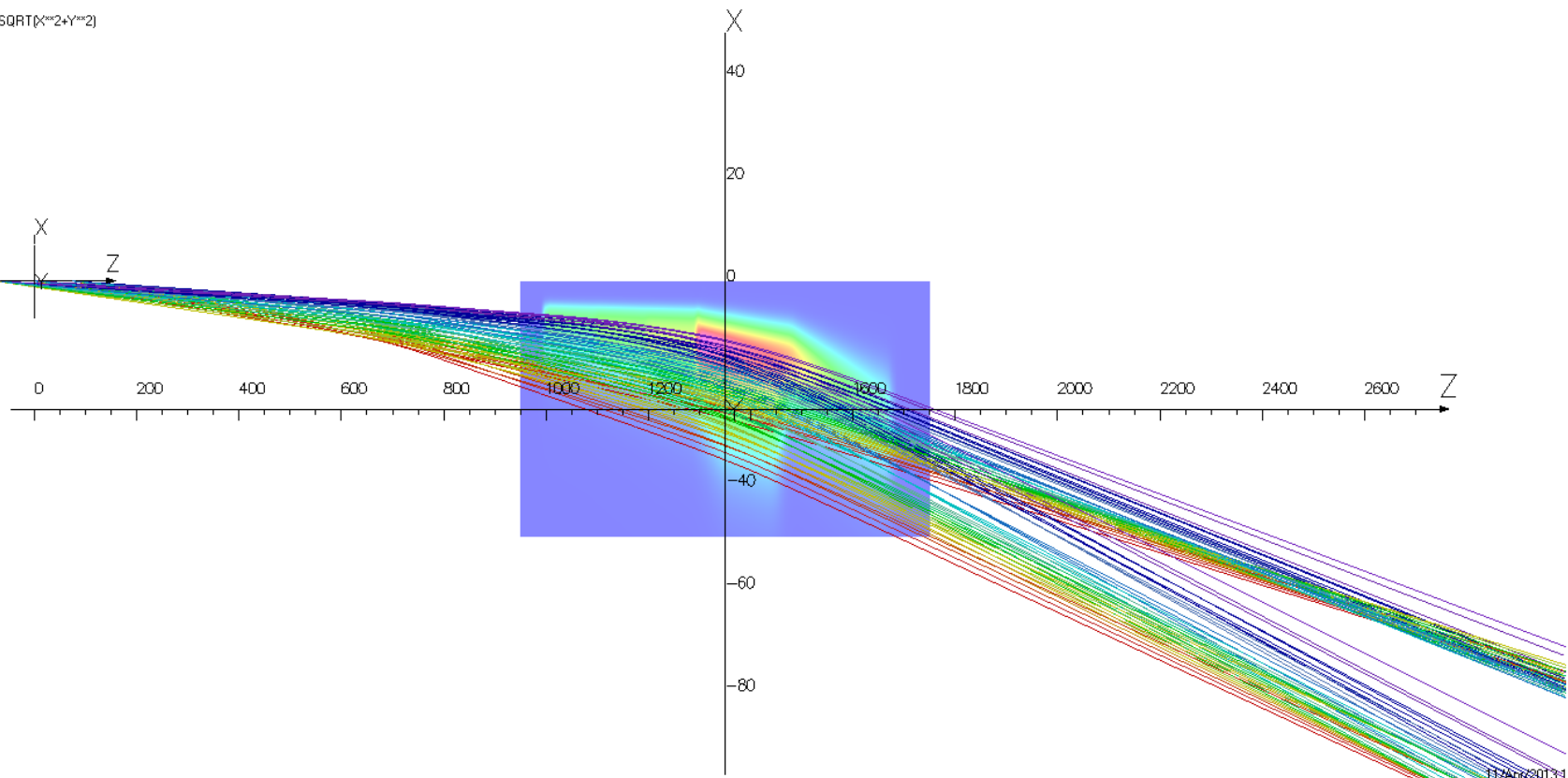
All phi values

Map contours: $(-B \times Y + BY \times X) / \text{SQRT}(X^2 + Y^2)$



Integral = 5.322600E+007

Non-uniform axis scaling

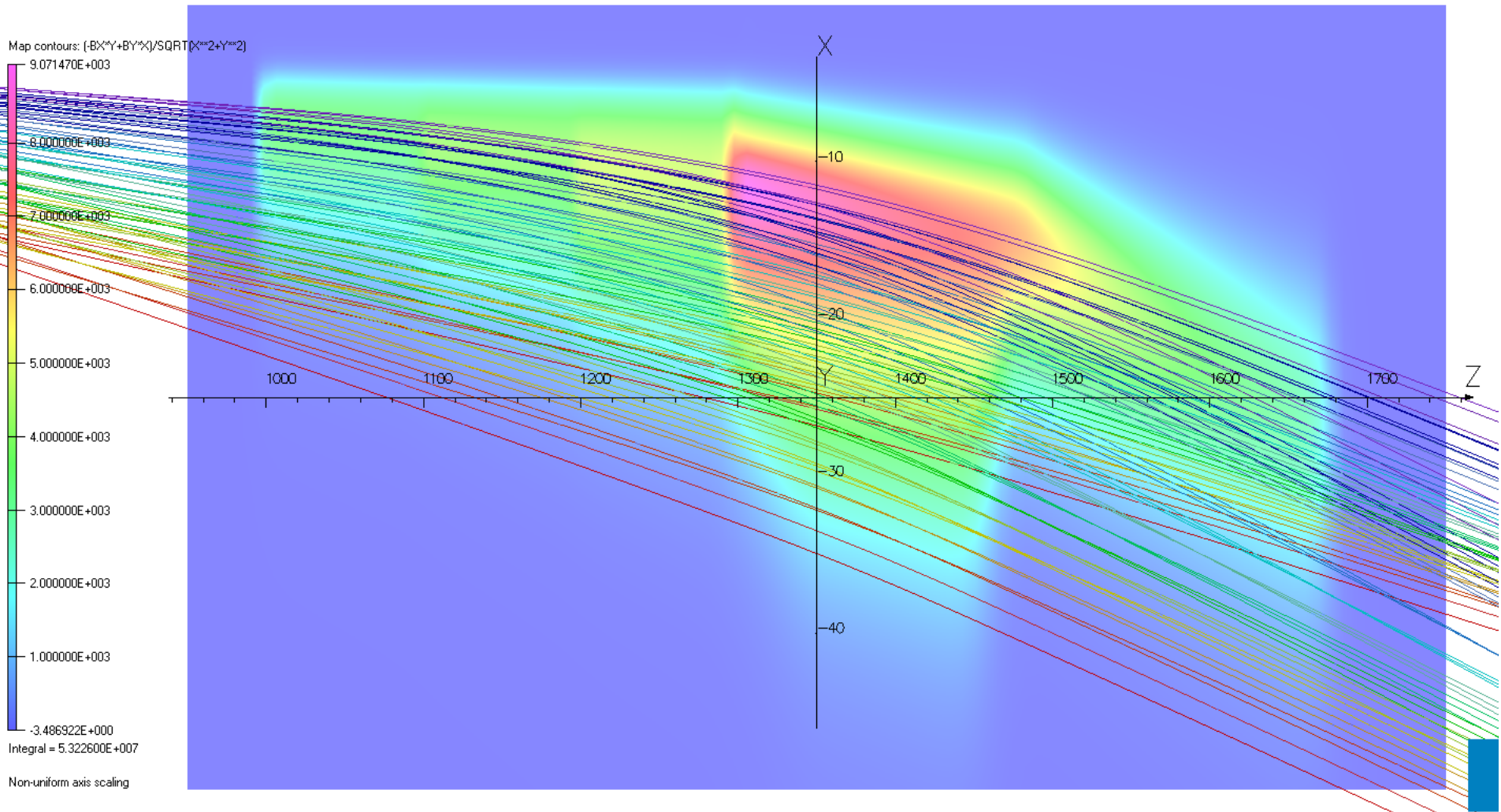


11/Apr/2013 15:35

Opera

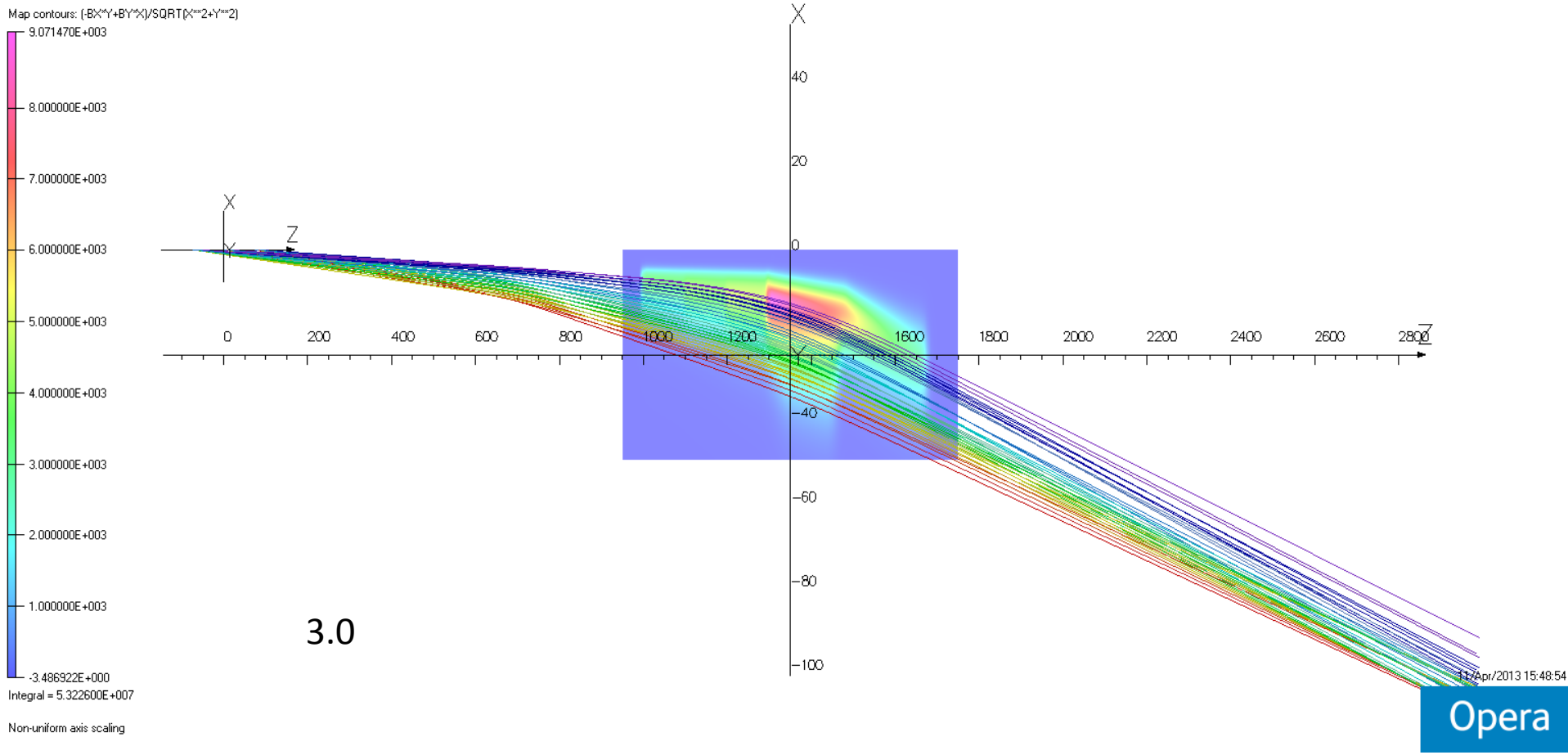
- up (z0 = -75 cm) 5.5 to 15 mrad
- middle (z0 = 0 cm) 6.0 to 17 mrad
- down (z0 = 75 cm) 6.5 to 19 mrad

phi=0 only



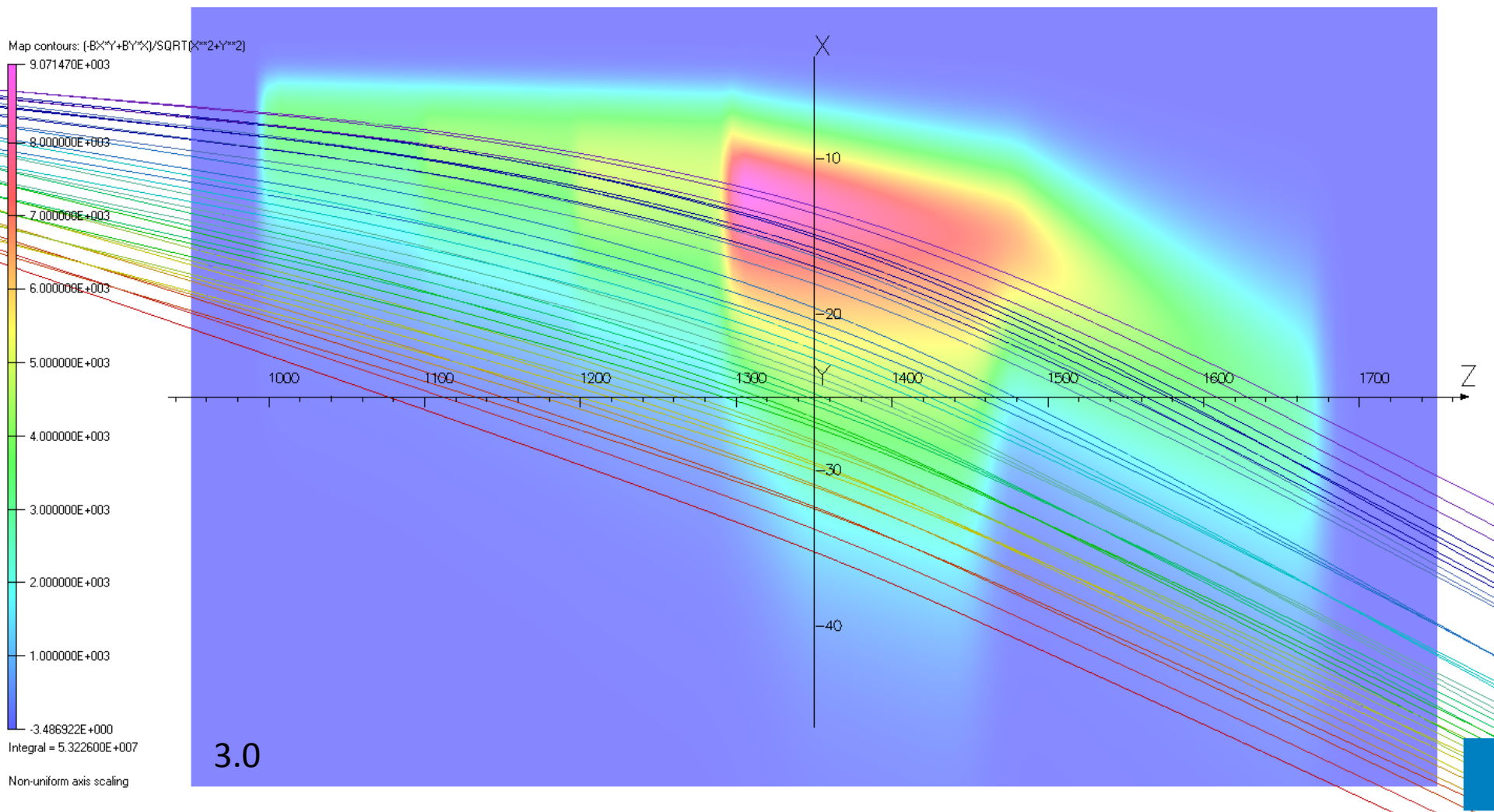
up ($z_0 = -75$ cm) 5.5 to 15 mrad
middle ($z_0 = 0$ cm) 6.0 to 17 mrad
down ($z_0 = 75$ cm) 6.5 to 19 mrad

$\phi=0$ only, near magnet



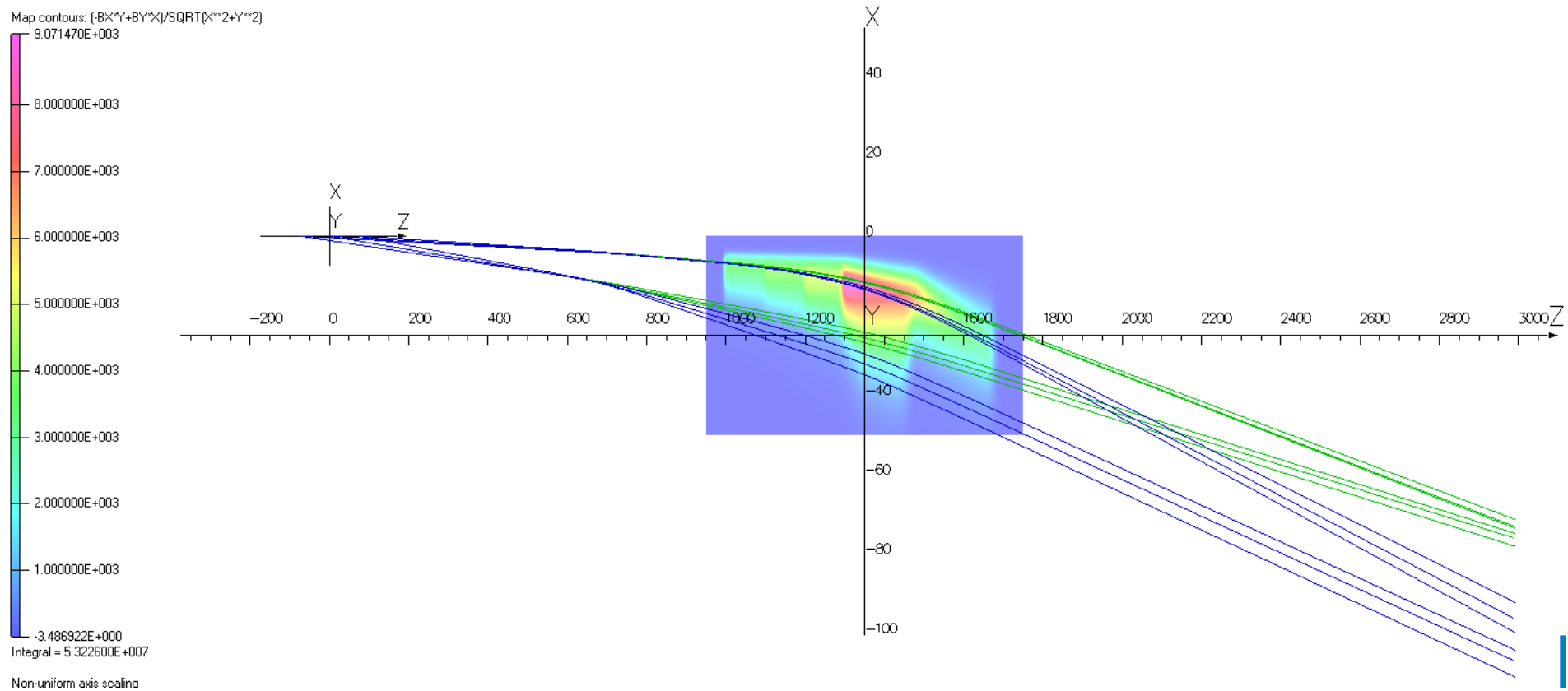
- up (z0 = -75 cm) 5.5 to 15 mrad
- middle (z0 = 0 cm) 6.0 to 17 mrad
- down (z0 = 75 cm) 6.5 to 19 mrad

phi = 0 , Mollers only



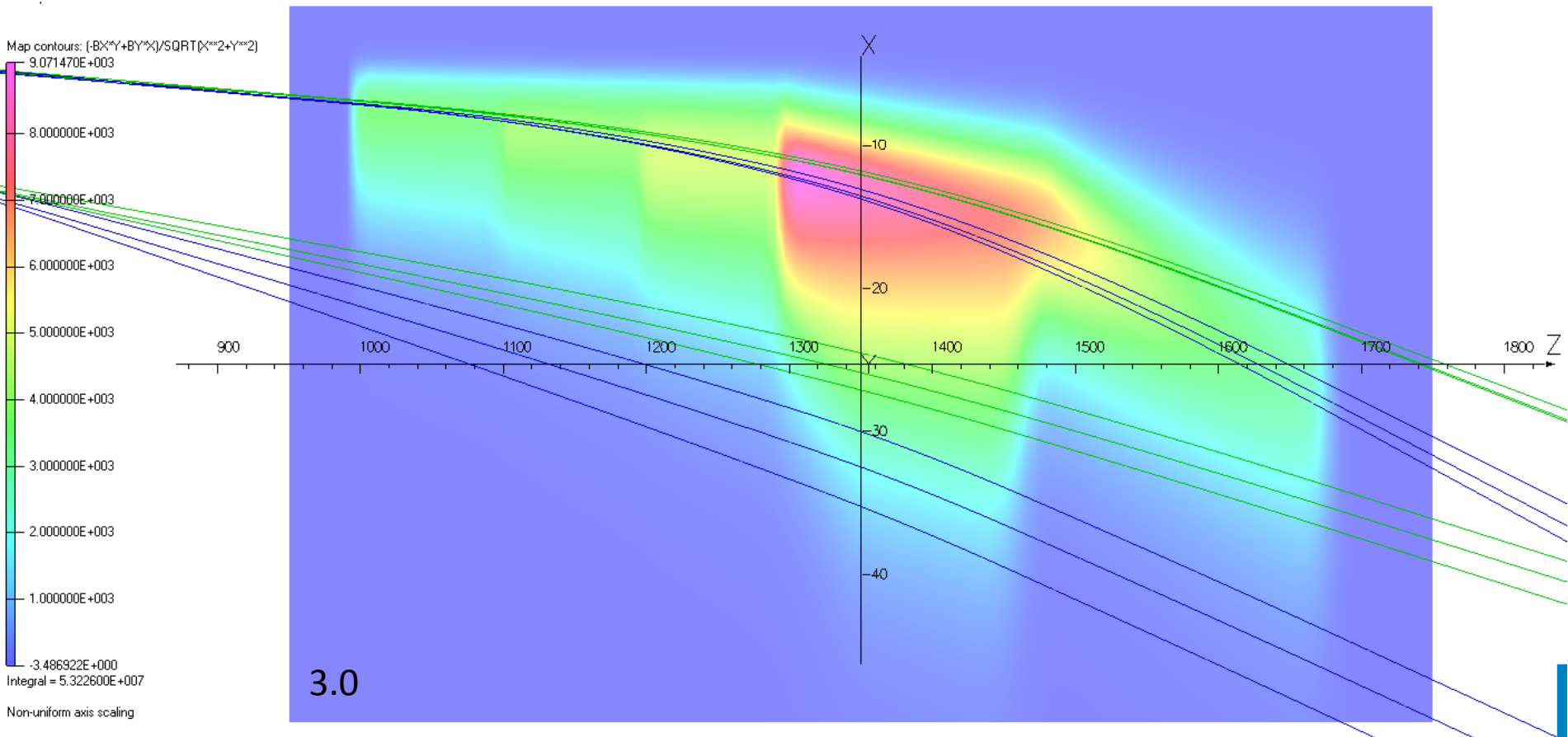
up ($z_0 = -75$ cm) 5.5 to 15 mrad
middle ($z_0 = 0$ cm) 6.0 to 17 mrad
down ($z_0 = 75$ cm) 6.5 to 19 mrad

phi=0 only, near magnet, mollers only



up (z0 = -75 cm) 5.5 and 15 mrad
middle (z0 = 0 cm) 6.0 and 17 mrad
down (z0 = 75 cm) 6.5 and 19 mrad
phi=0 only

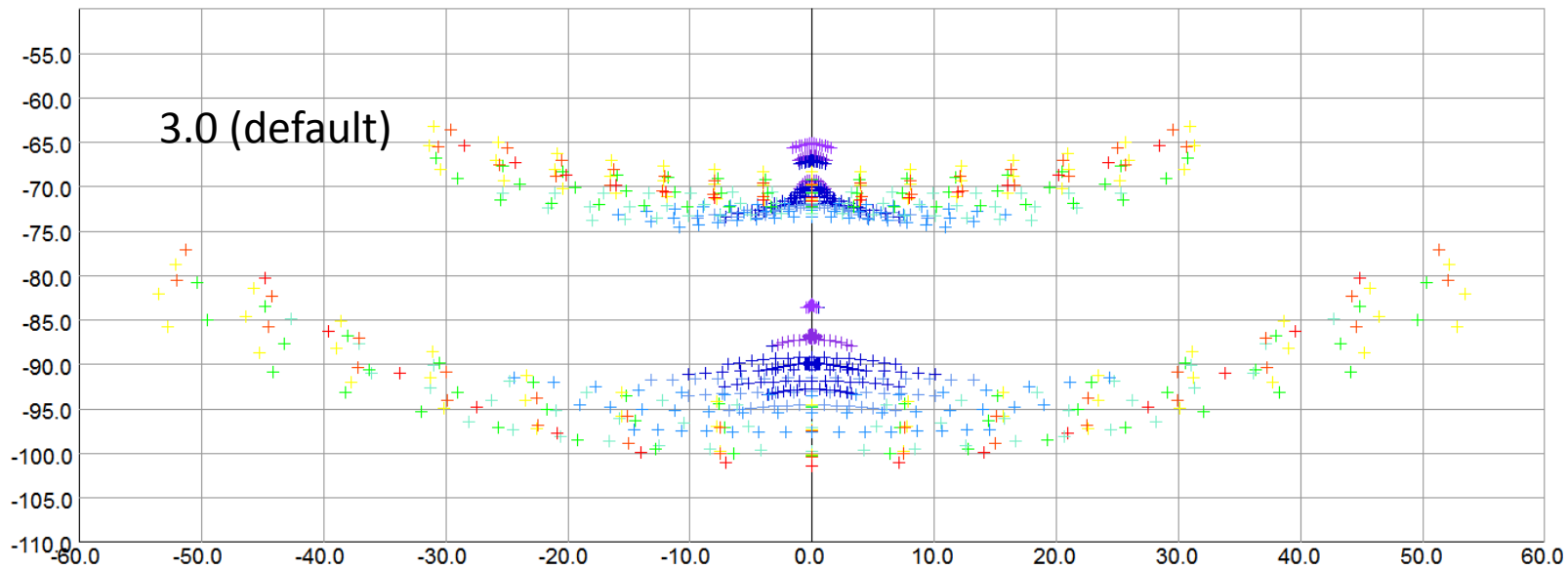
green – eps
blue - mollers



up (z0 = -75 cm) 5.5 and 15 mrad
middle (z0 = 0 cm) 6.0 and 17 mrad
down (z0 = 75 cm) 6.5 and 19 mrad
phi=0 only, near magnet

green – eps
blue - mollers

X

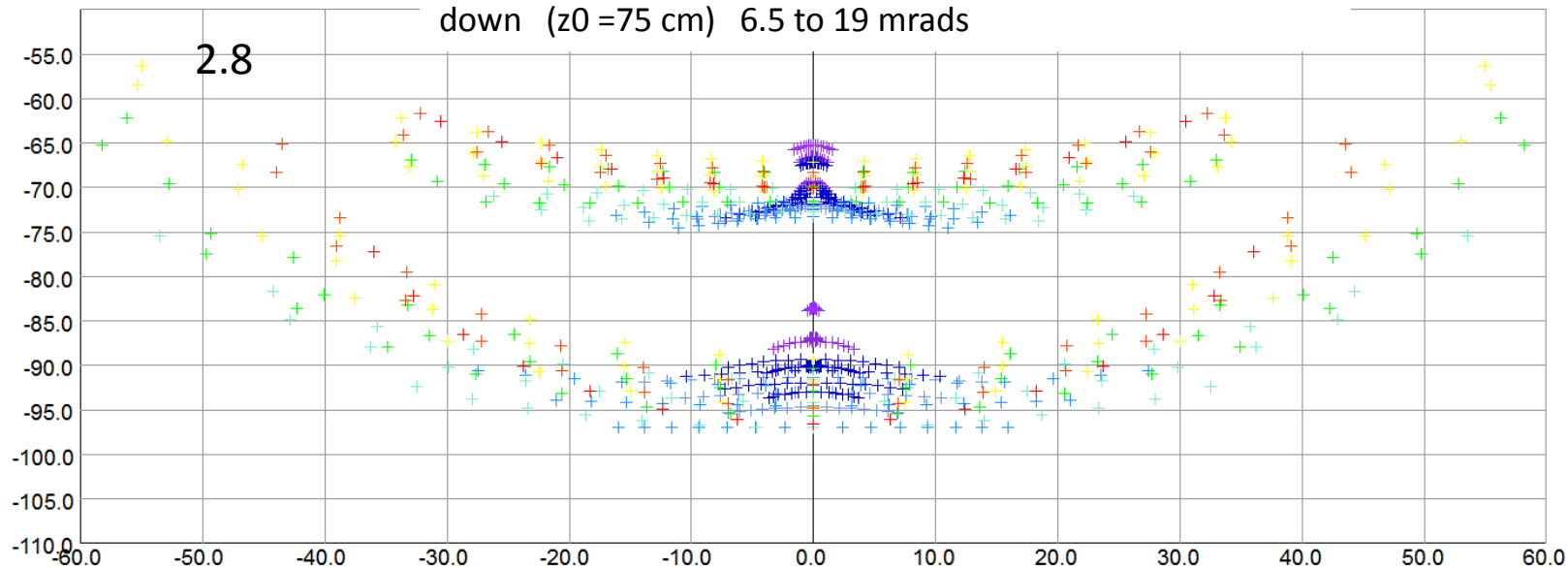


3.0 (default)

Y

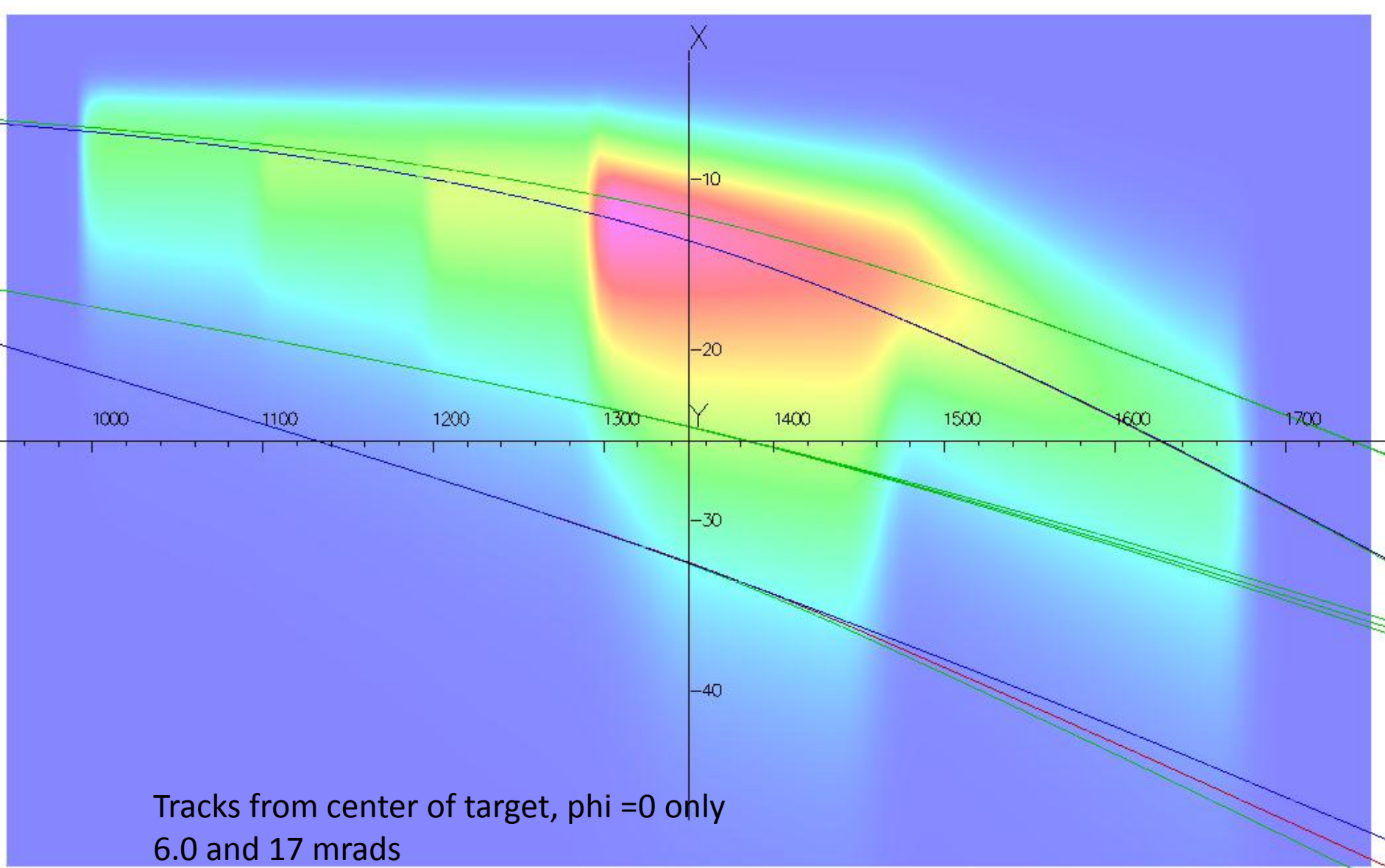
up (z0 = -75 cm) 5.5 to 15 mrad
middle (z0 = 0 cm) 6.0 to 17 mrad
down (z0 = 75 cm) 6.5 to 19 mrad

X



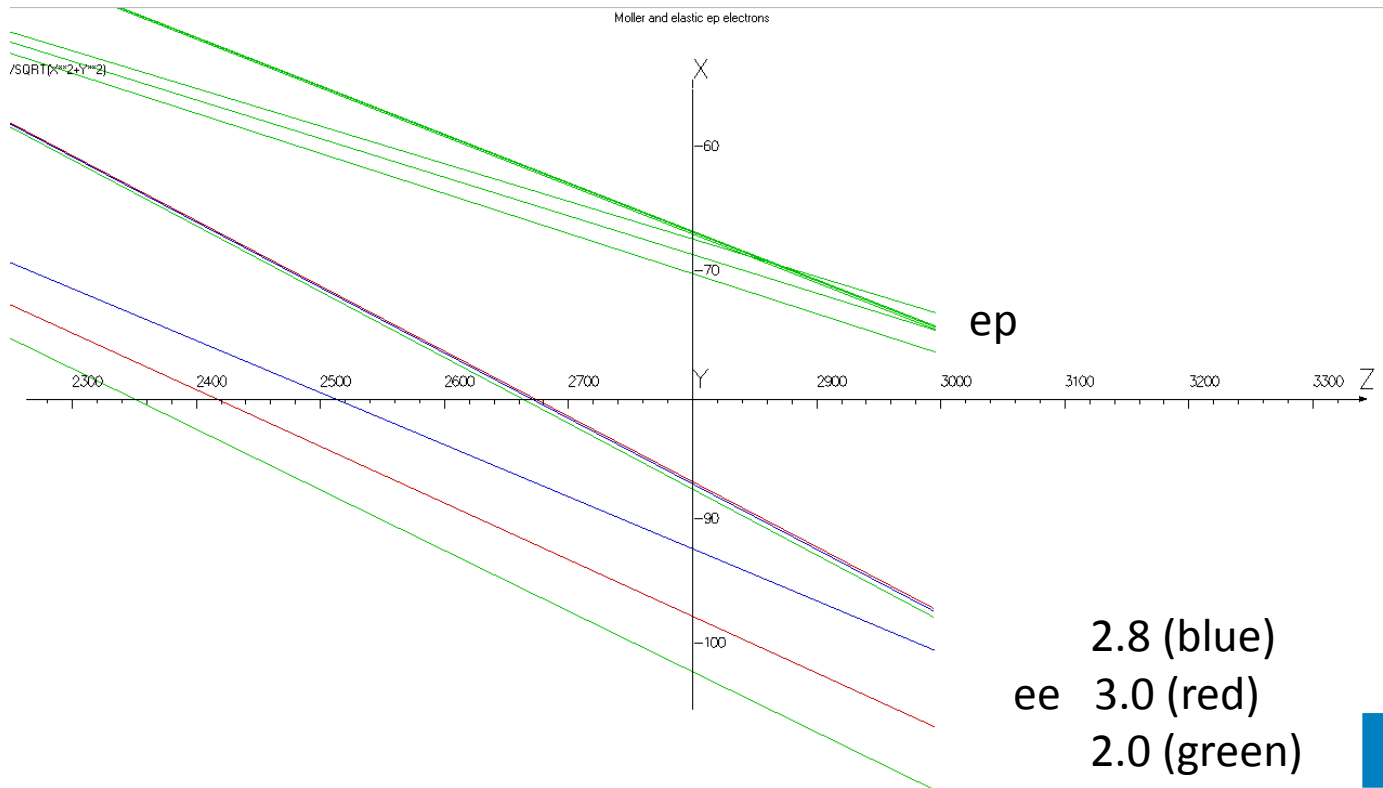
2.8

Y



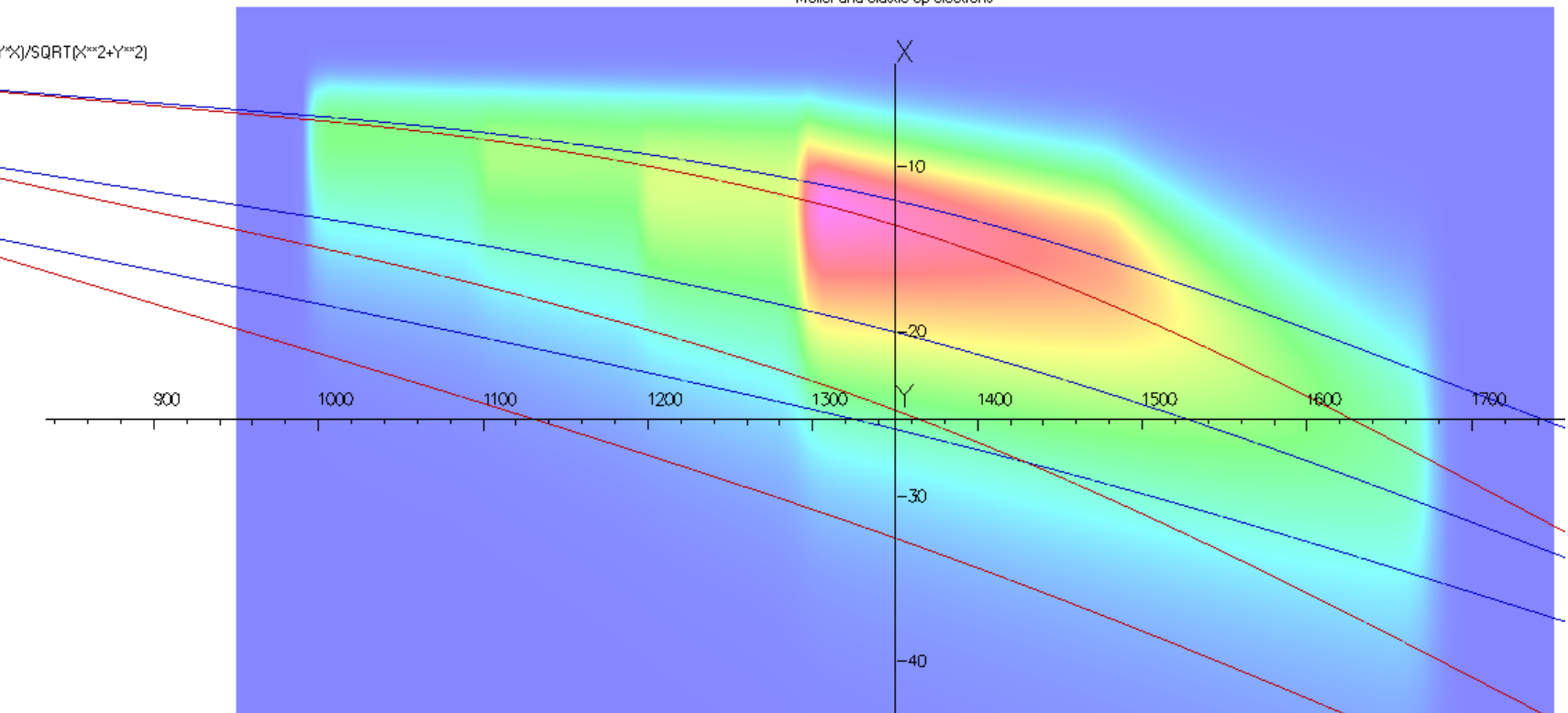
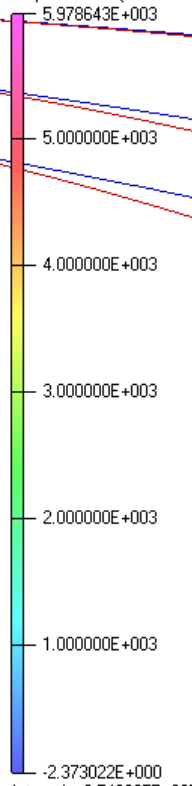
Tracks from center of target, $\phi = 0$ only
6.0 and 17 mrads

- 2.8 (blue)
- ee 3.0 (red)
- 2.0 (green)



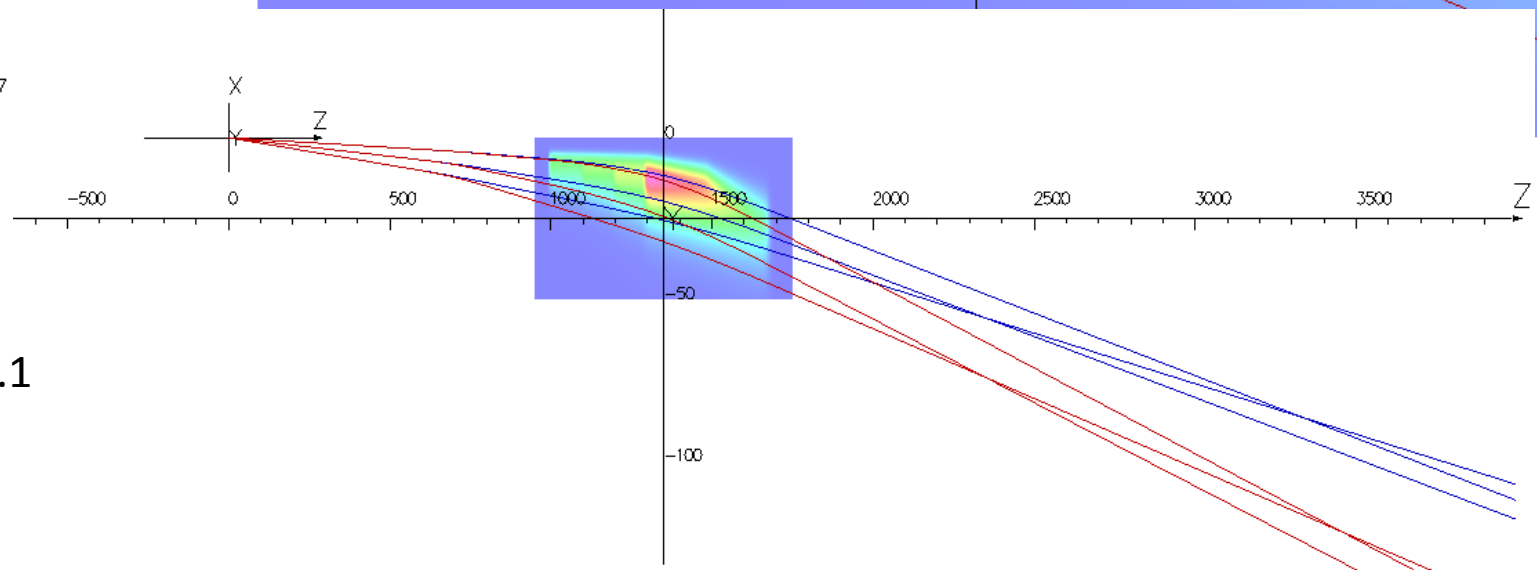
Tracks from center of target, $\phi = 0$ only
6.0 and 17 mrad

Map contours: $(-B \times Y + BY \times X) / \text{SQRT}(X^2 + Y^2)$

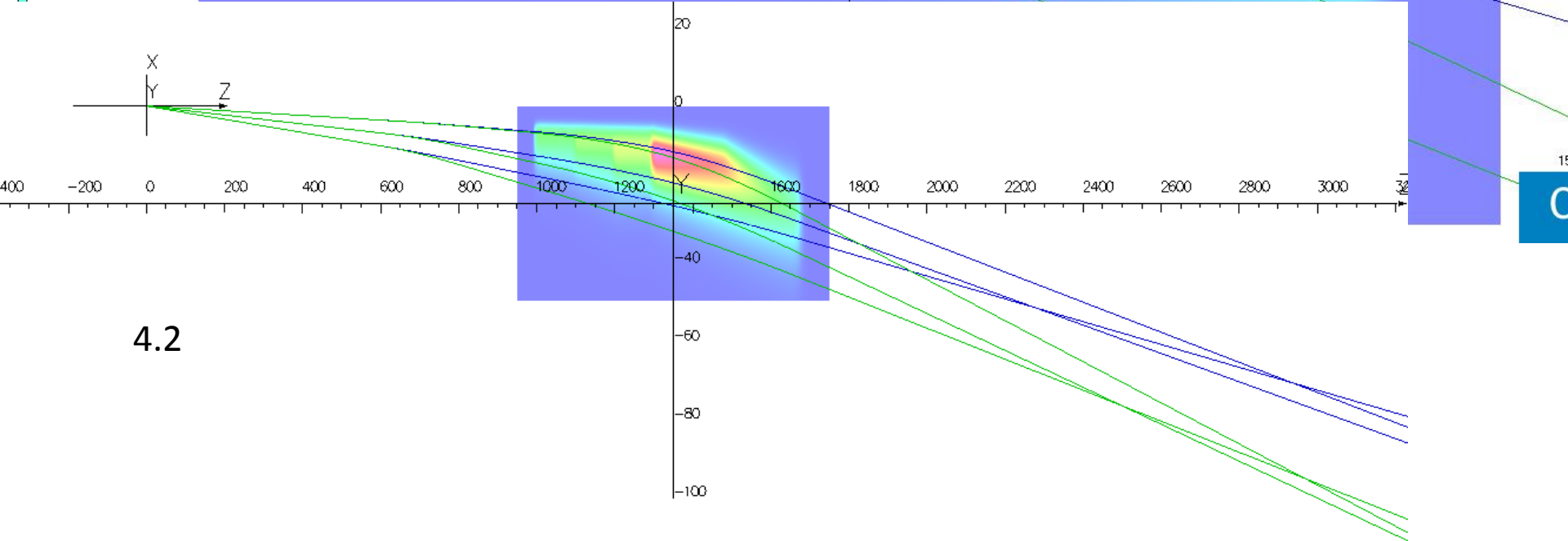
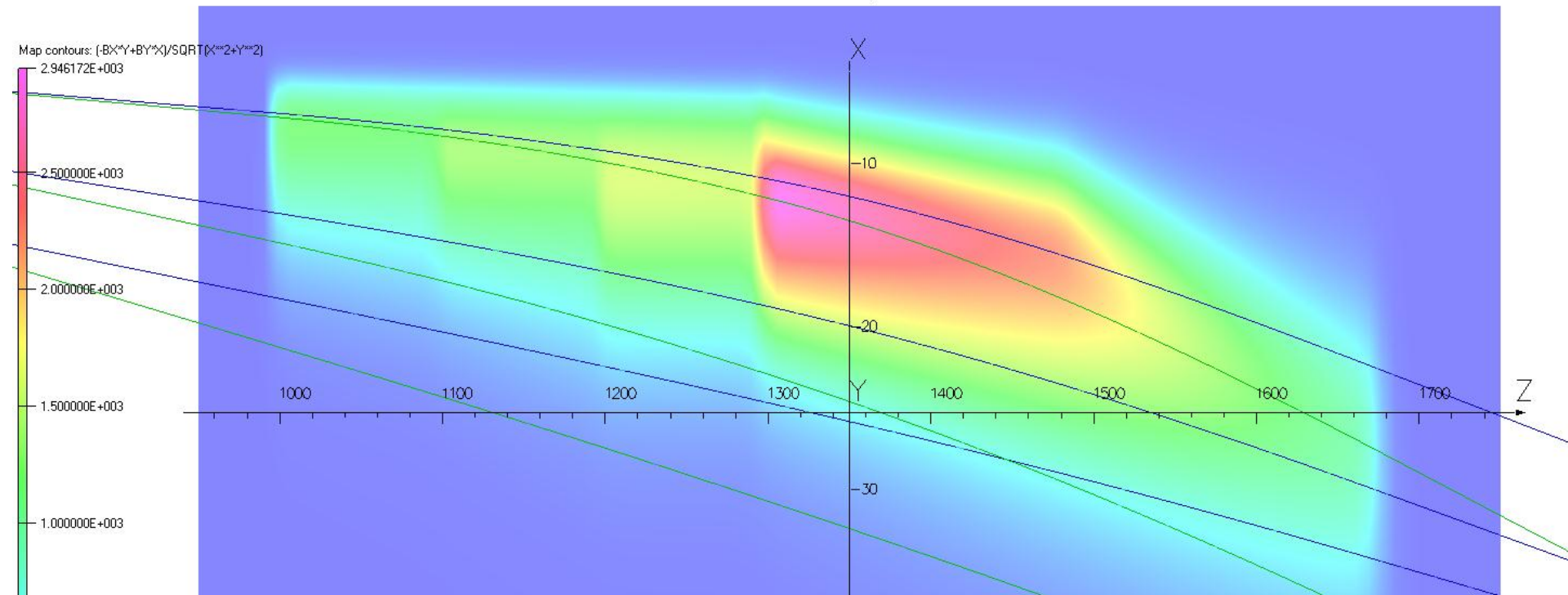


Integral = 3.542225E+007

Non-uniform axis scaling



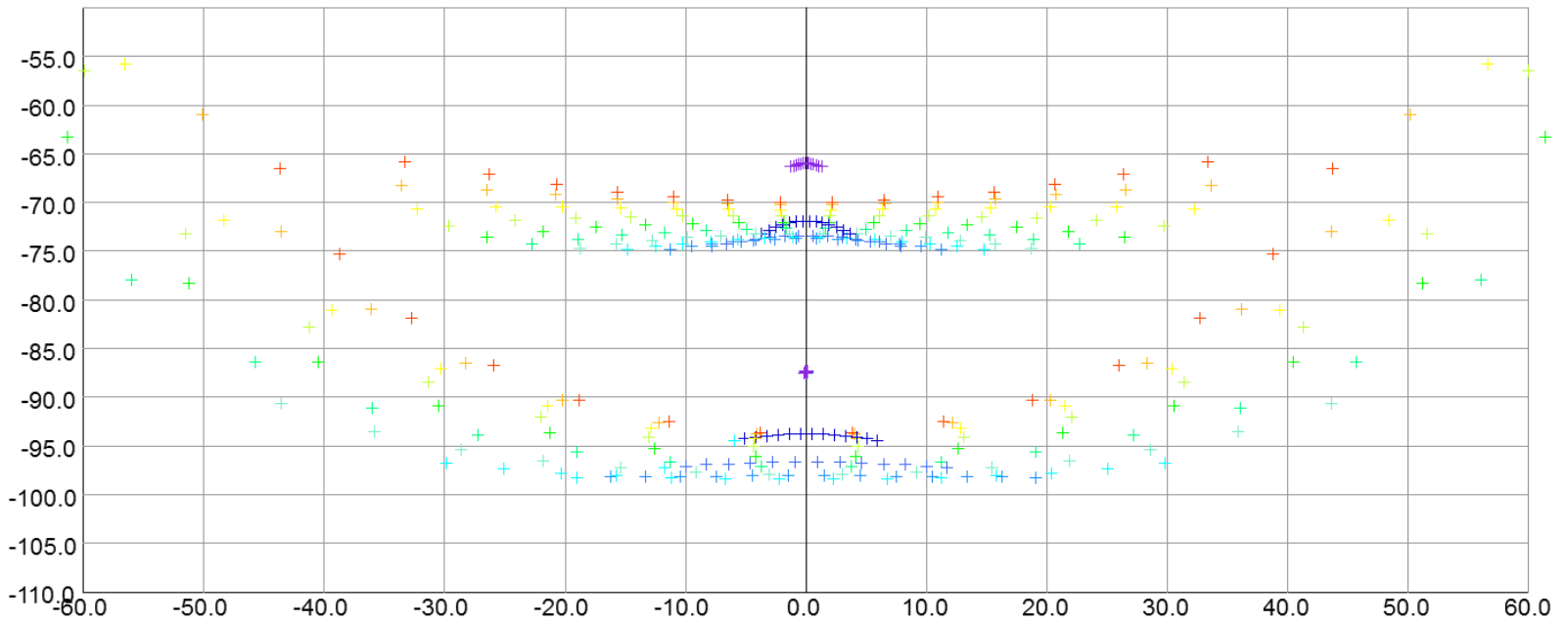
4.1



4.2



X

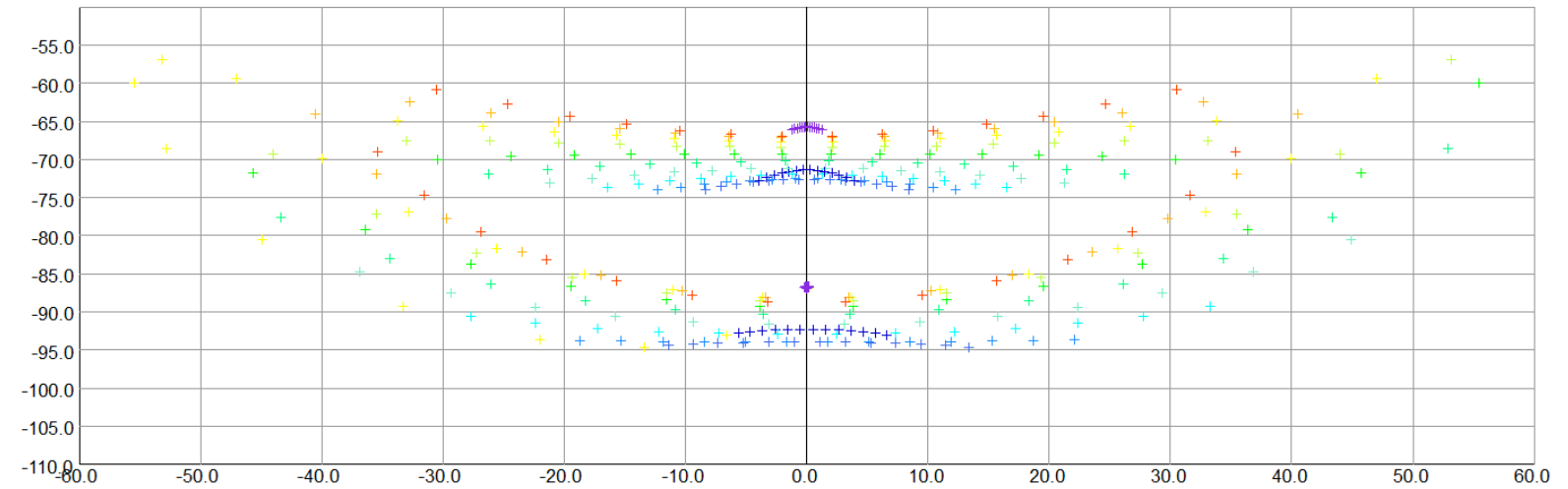


4.1

Y

Moller and elastic ep electrons at $z=2800.0\text{cm}$

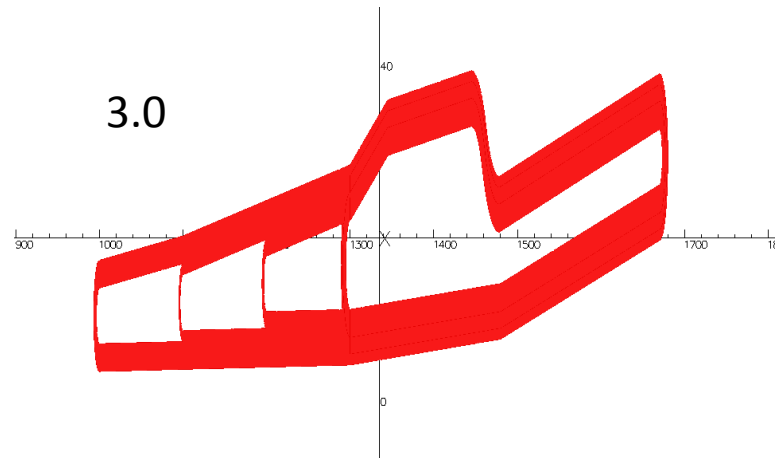
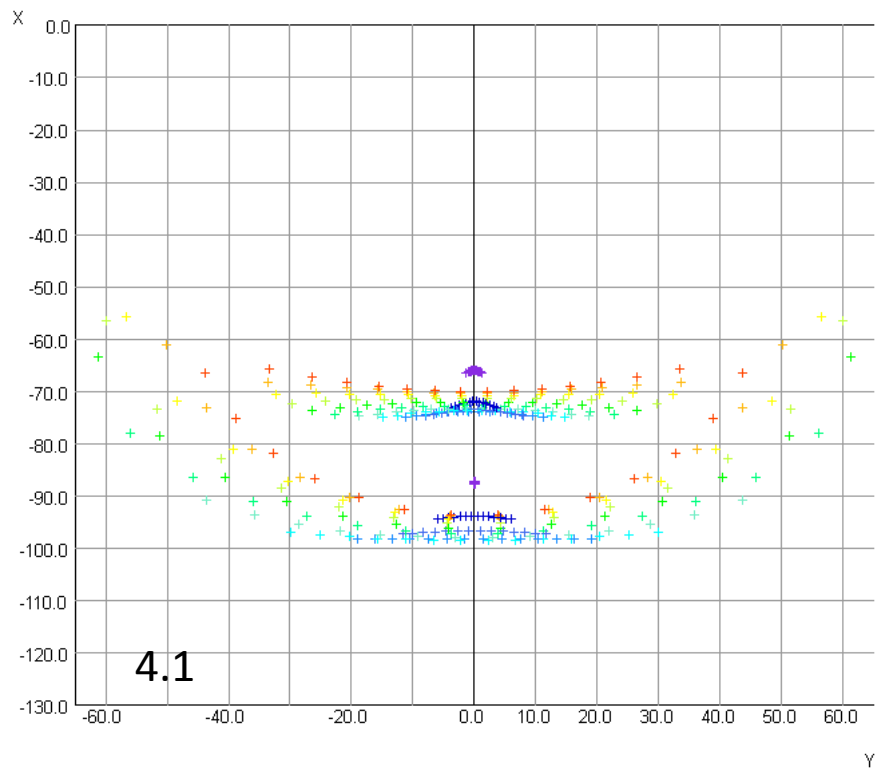
X



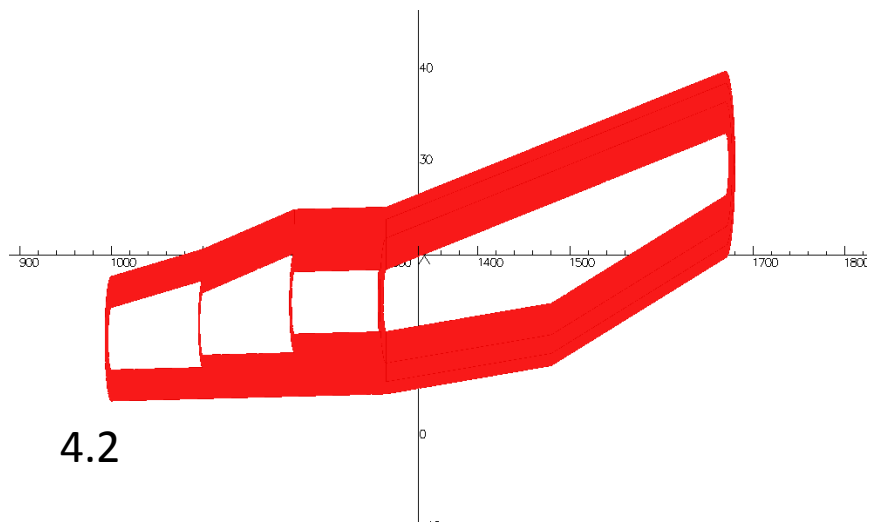
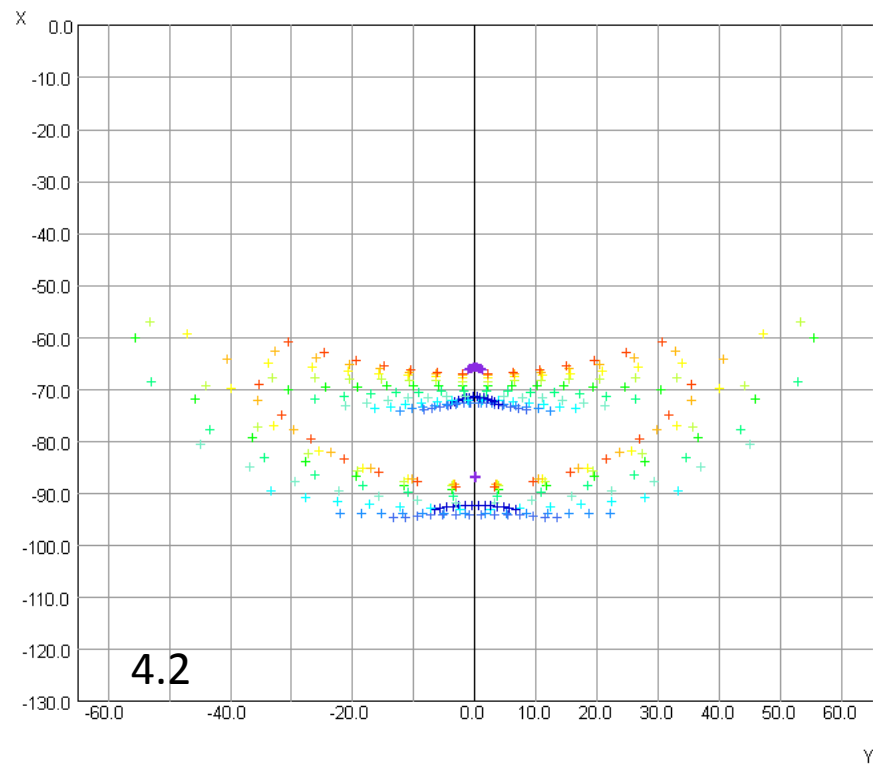
4.2

Y

Moller and elastic ep electrons at z=2800.0cm



Moller and elastic ep electrons at z=2800.0cm



To do:

Make it so that I can plot the fields at any phi, with the tracks at any phi.

