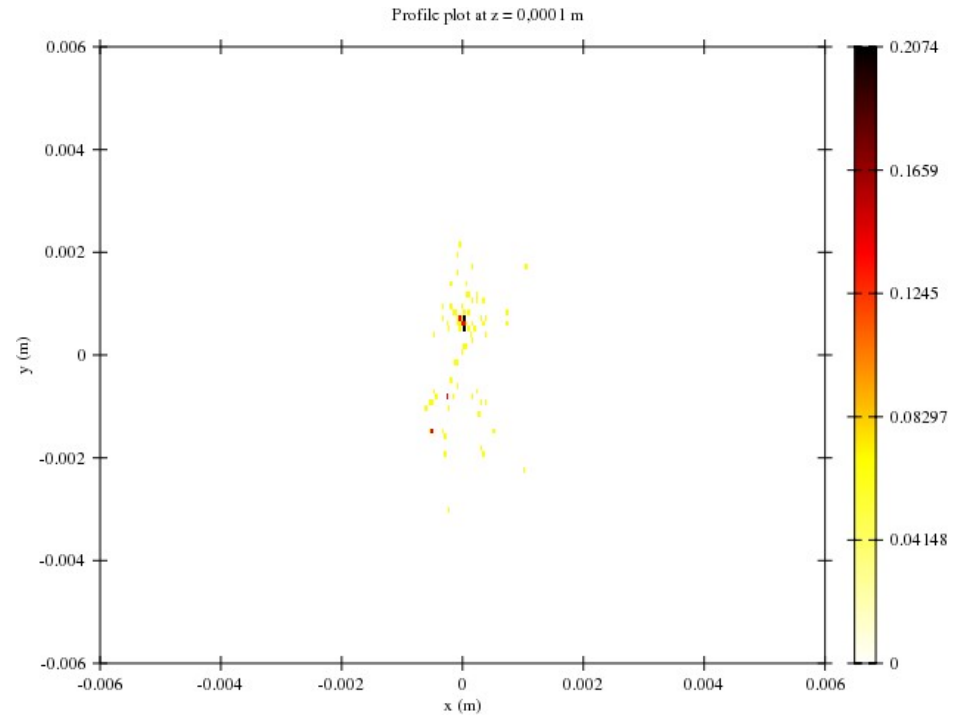
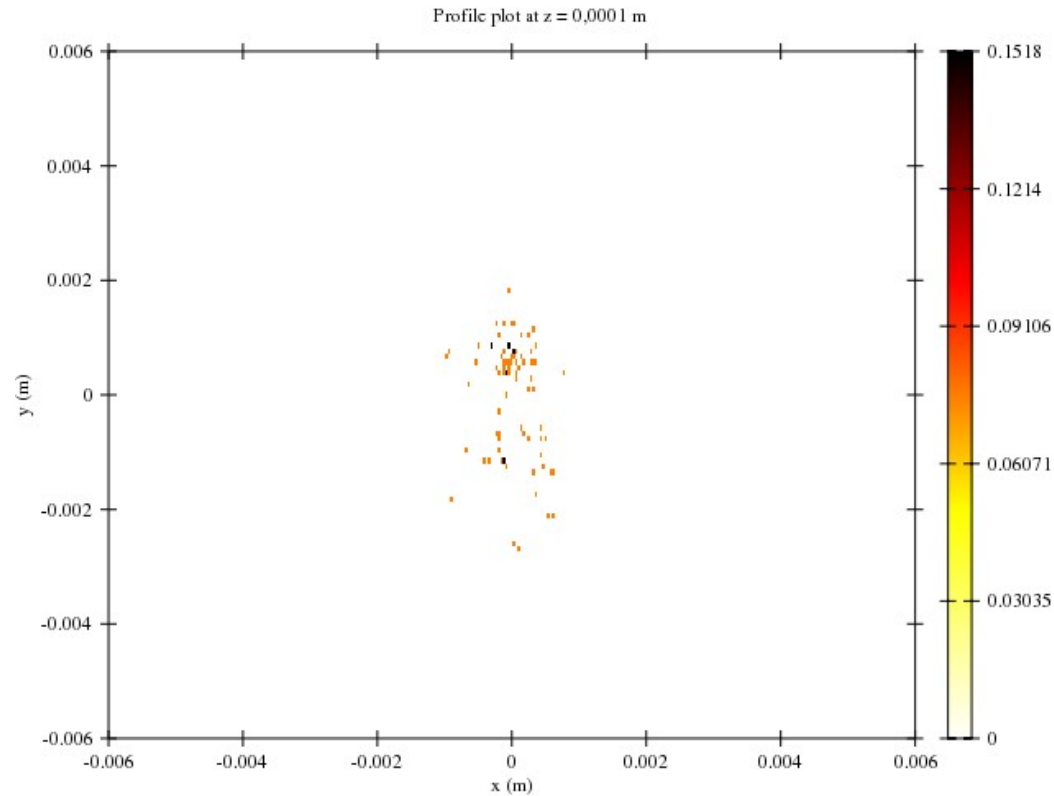


Simulations results

Distribution of ion back bombardment
New approach

Pass plots with only one iteration



Particle parameters

The rate of particle creation was the same in all the simulations

Now the results reflex the integrated ion back bombardment over 200 micro seconds.

The gas density was : 2.60×10^{18}

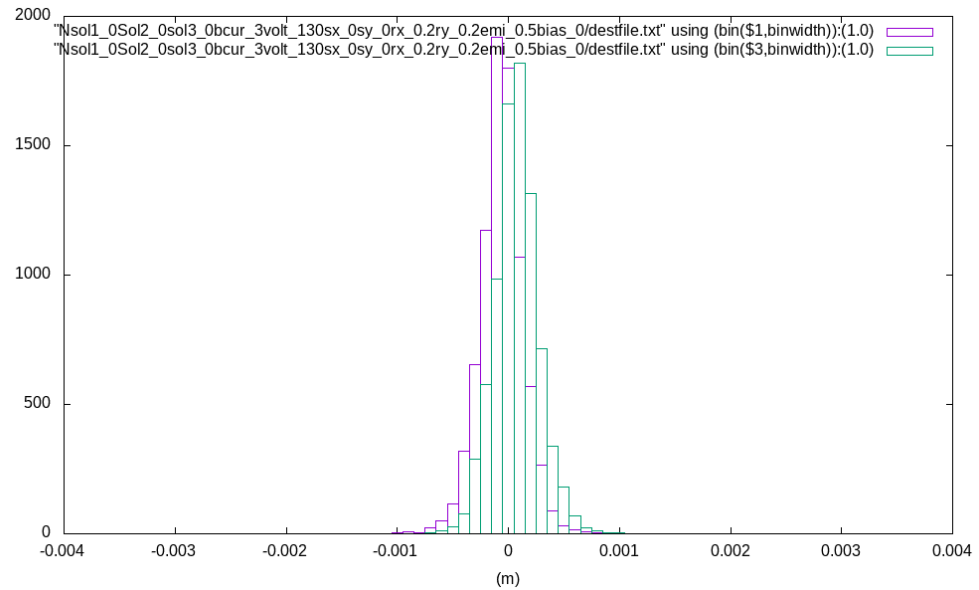
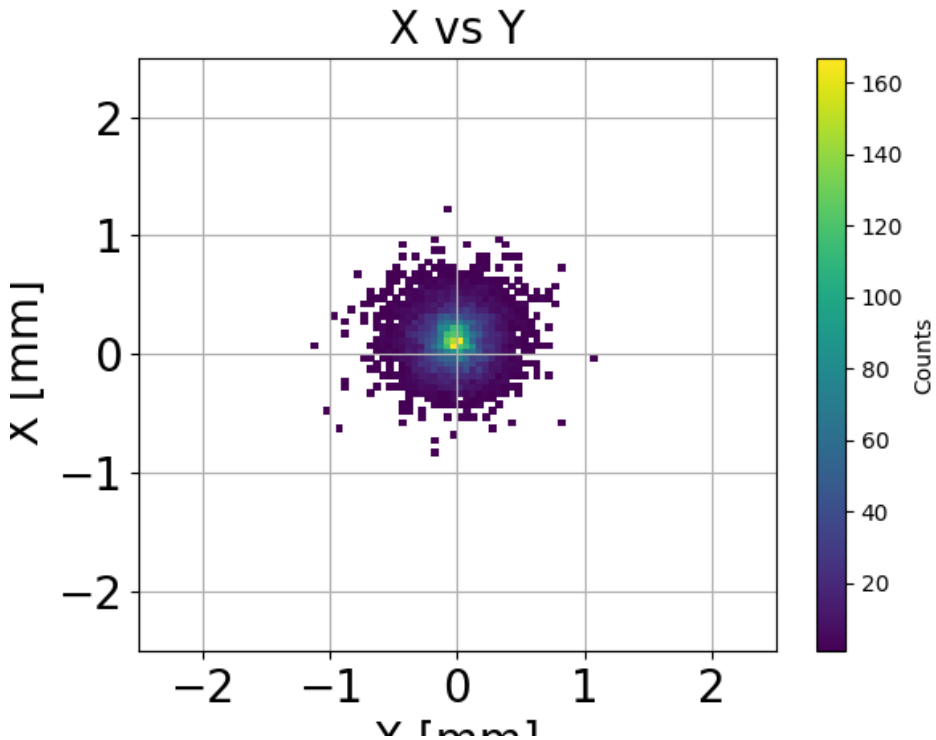
Gun Voltage 130 kV

Beam 3 mA

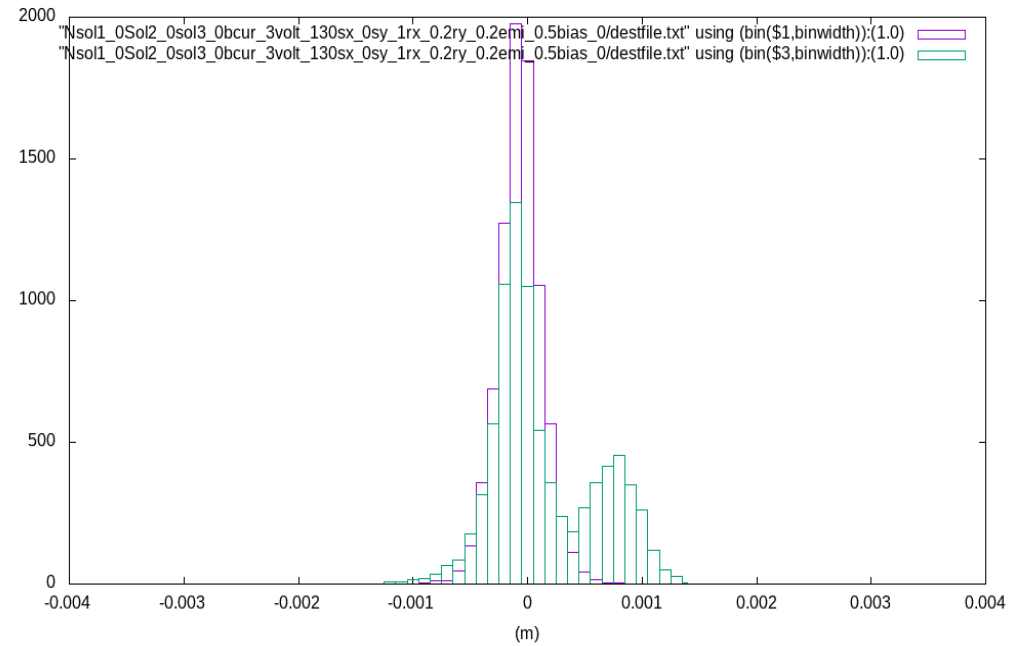
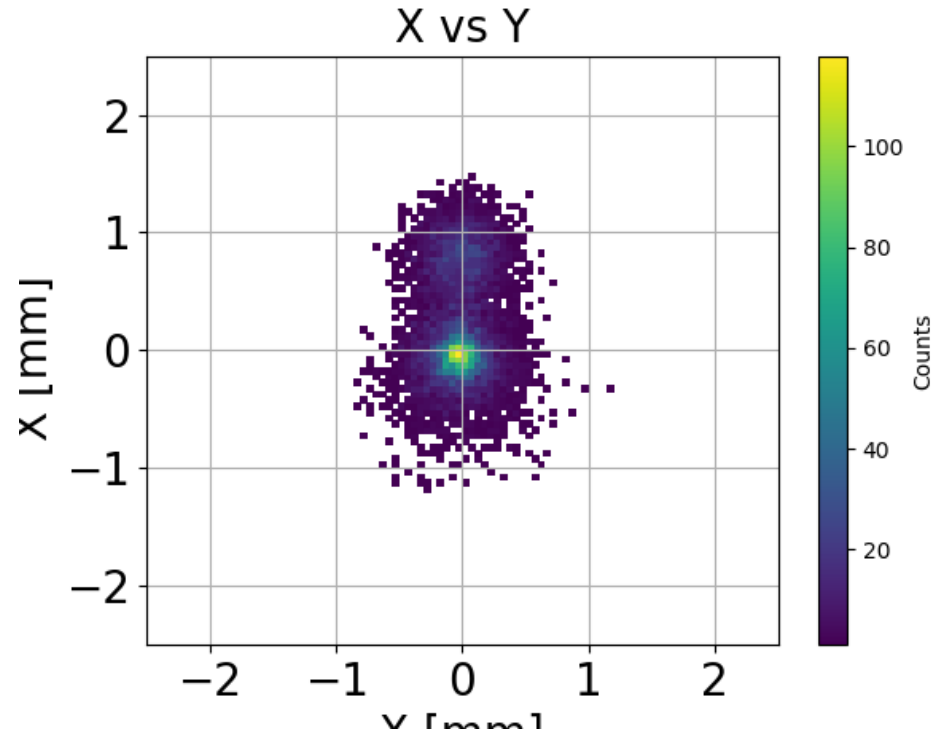
Beam radius 0.2 mm

Cylindrical beam

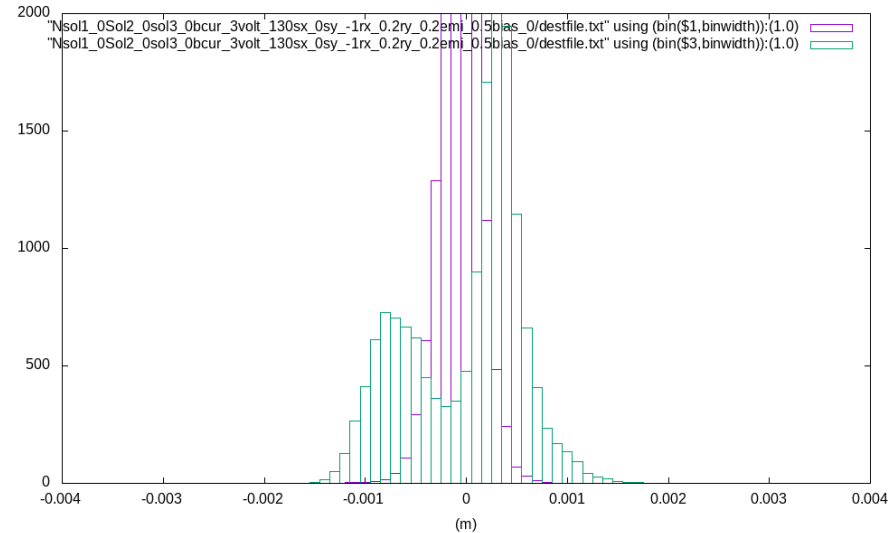
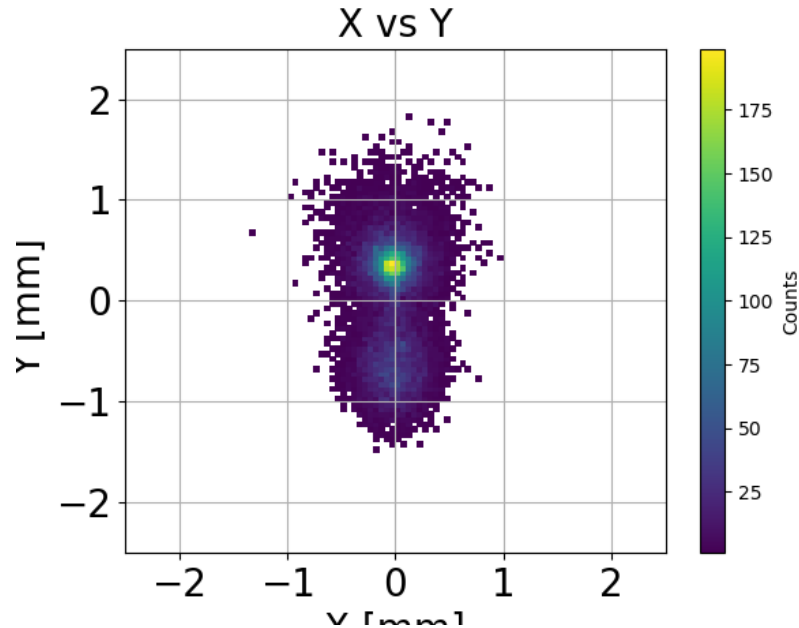
Beam at center



Beam $x=0$, $Y=1$

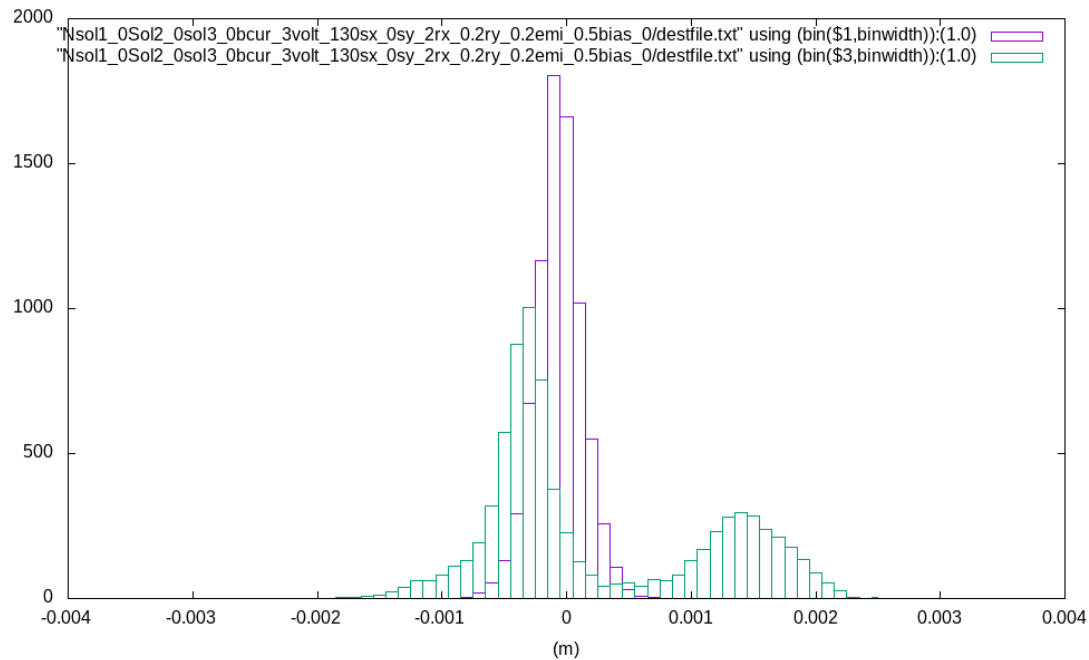
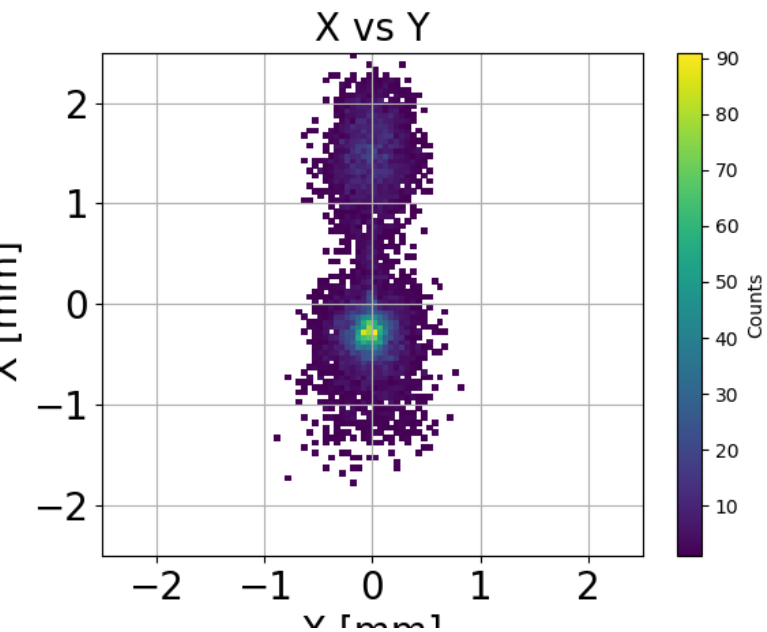


$X=2, Y=-1$



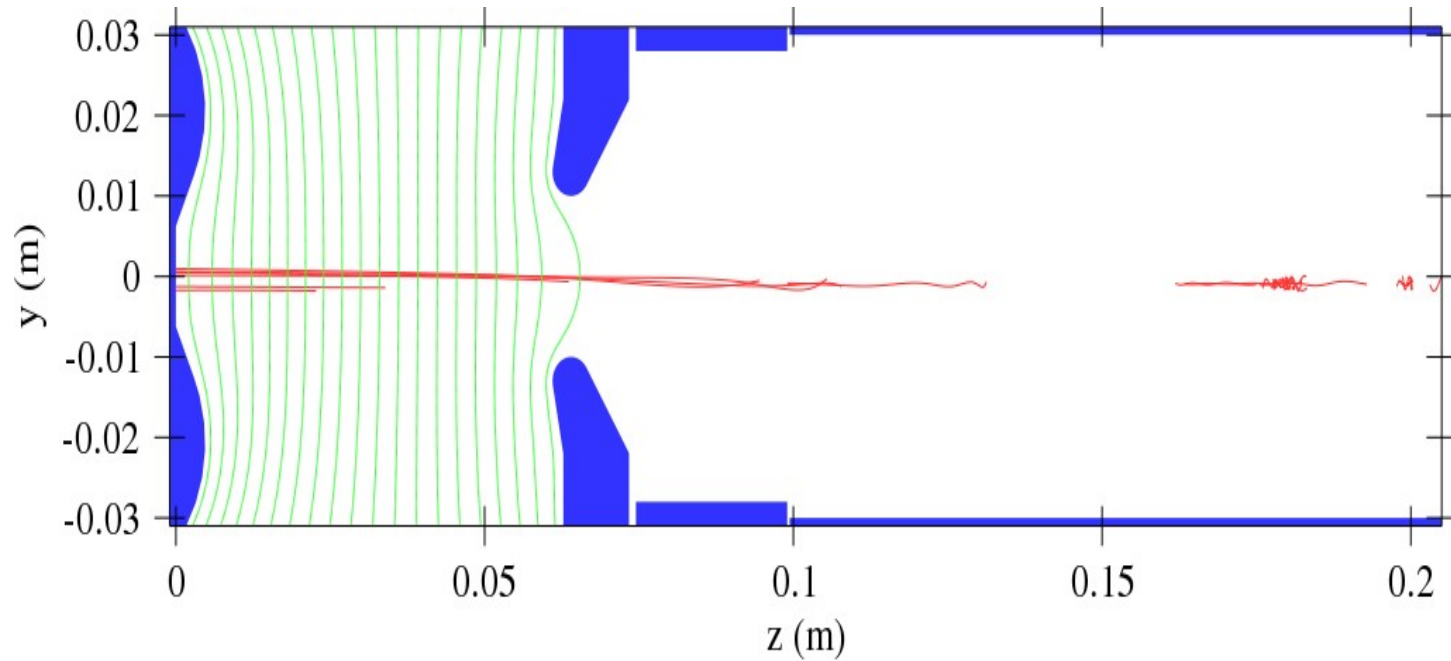
- **Note** this case run two times, then is necessary to divide the maximum in the histos by two only in this slide

Beam $x=0$, $Y=2$

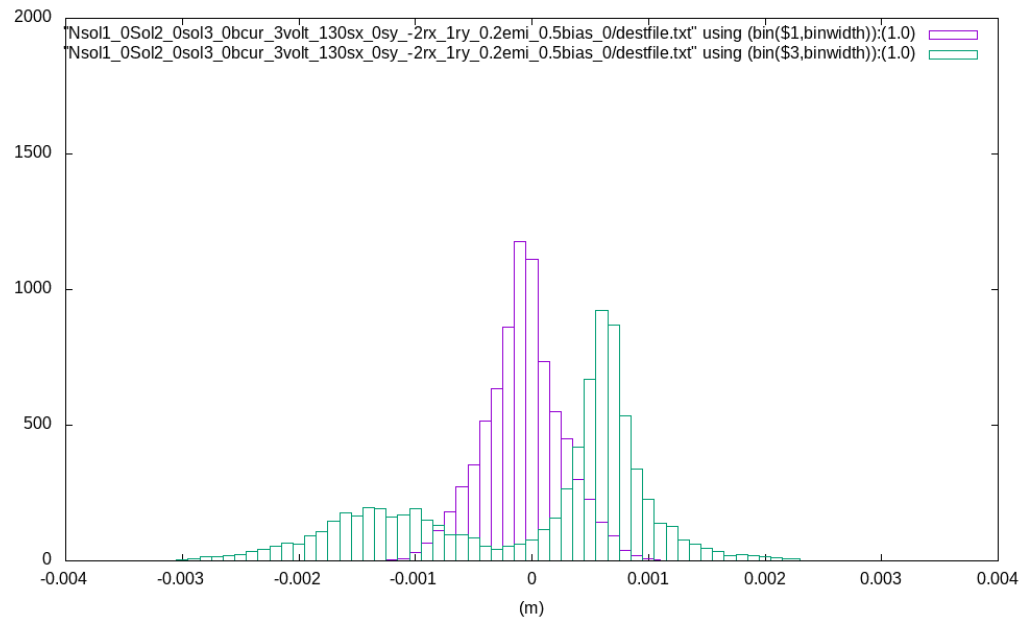
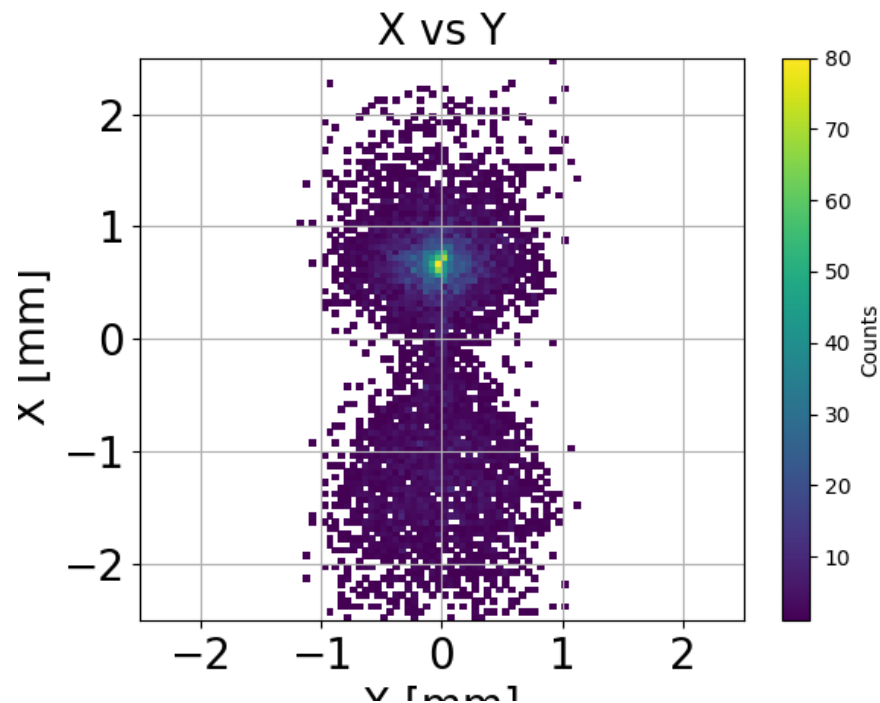


Why this two peaks

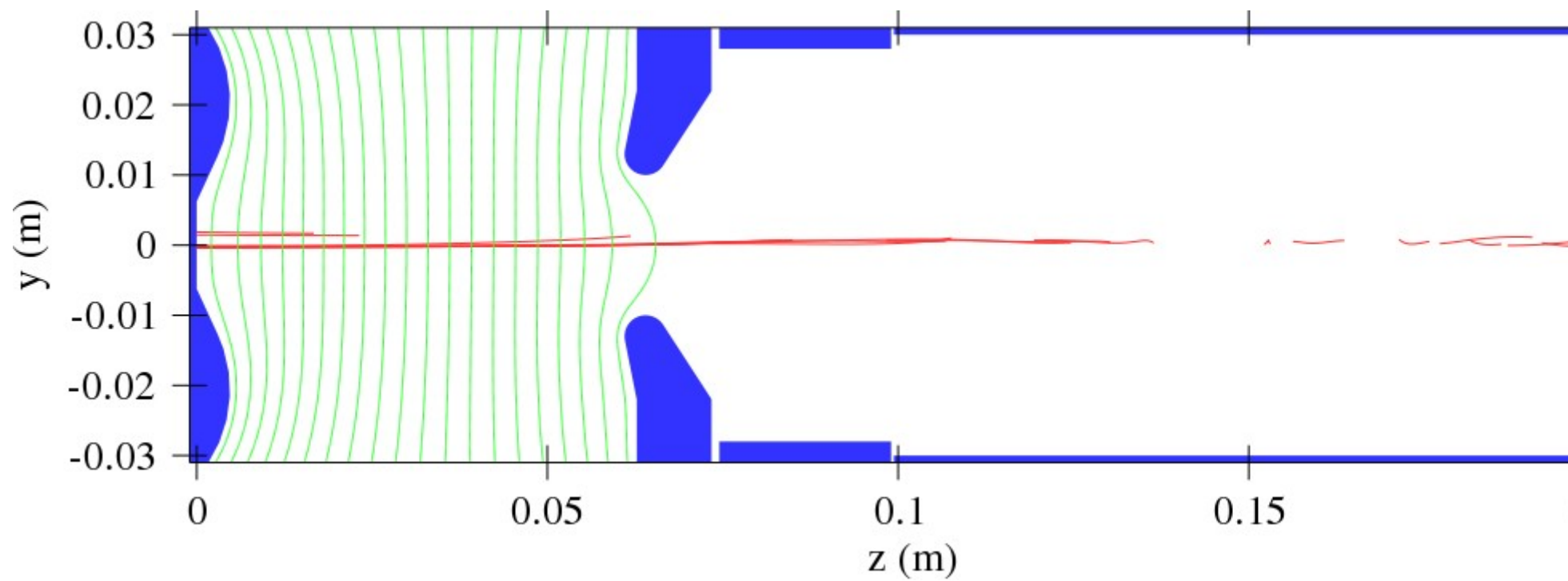
$X=0, Y=-2$



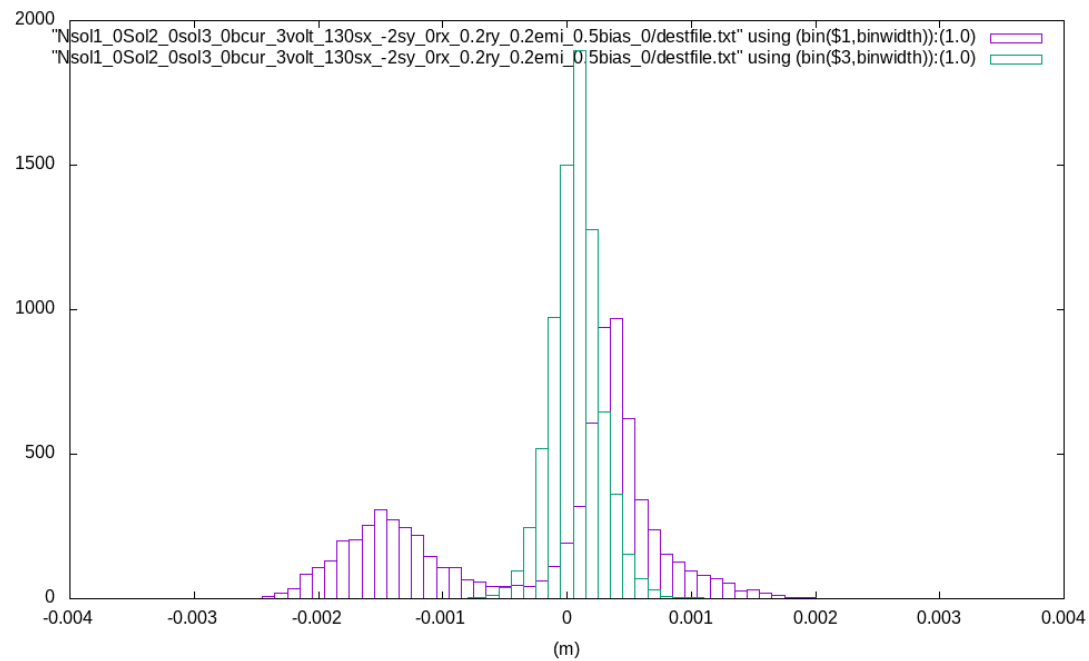
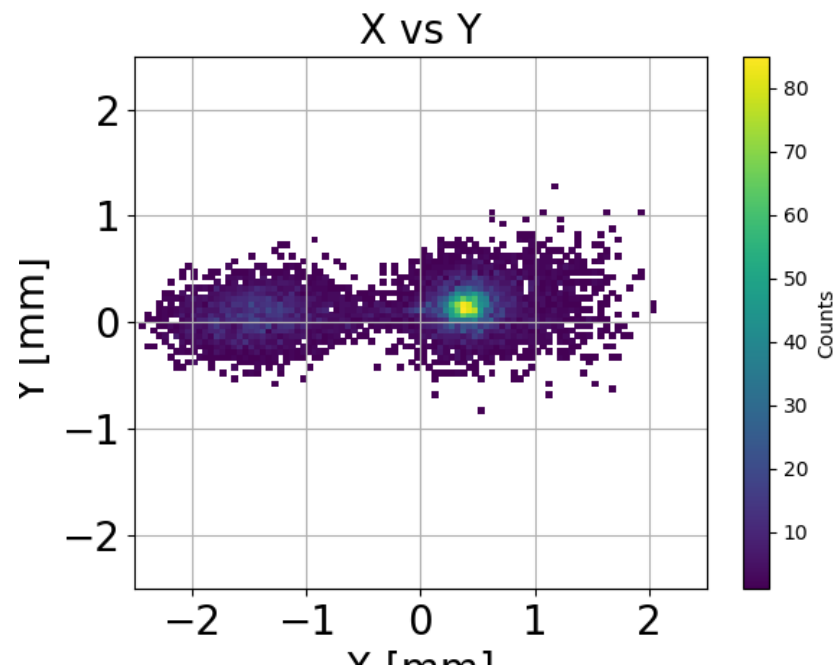
Beam $x=0$, $Y=-2$



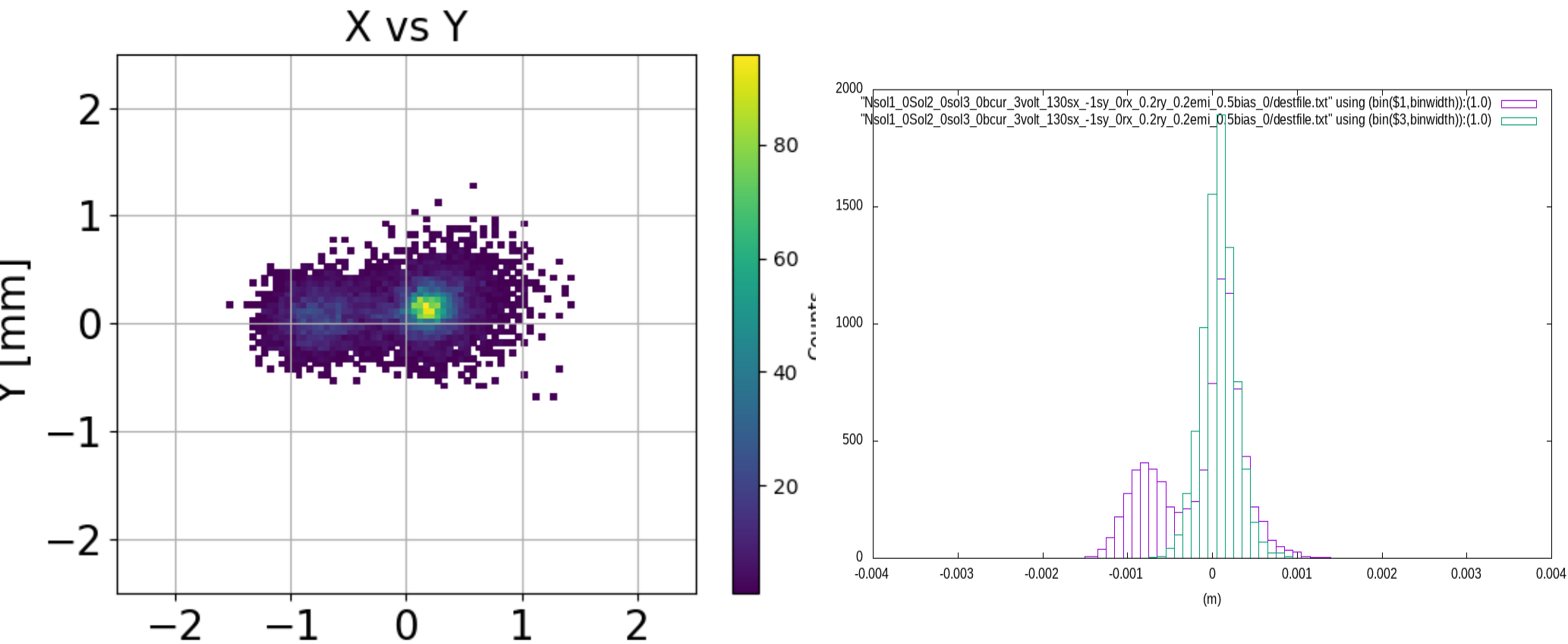
$X=0$ $Y=2$



$$X=-2 \ y=0$$



$X=-1, Y=0$



$X=-1, Y=-1$

