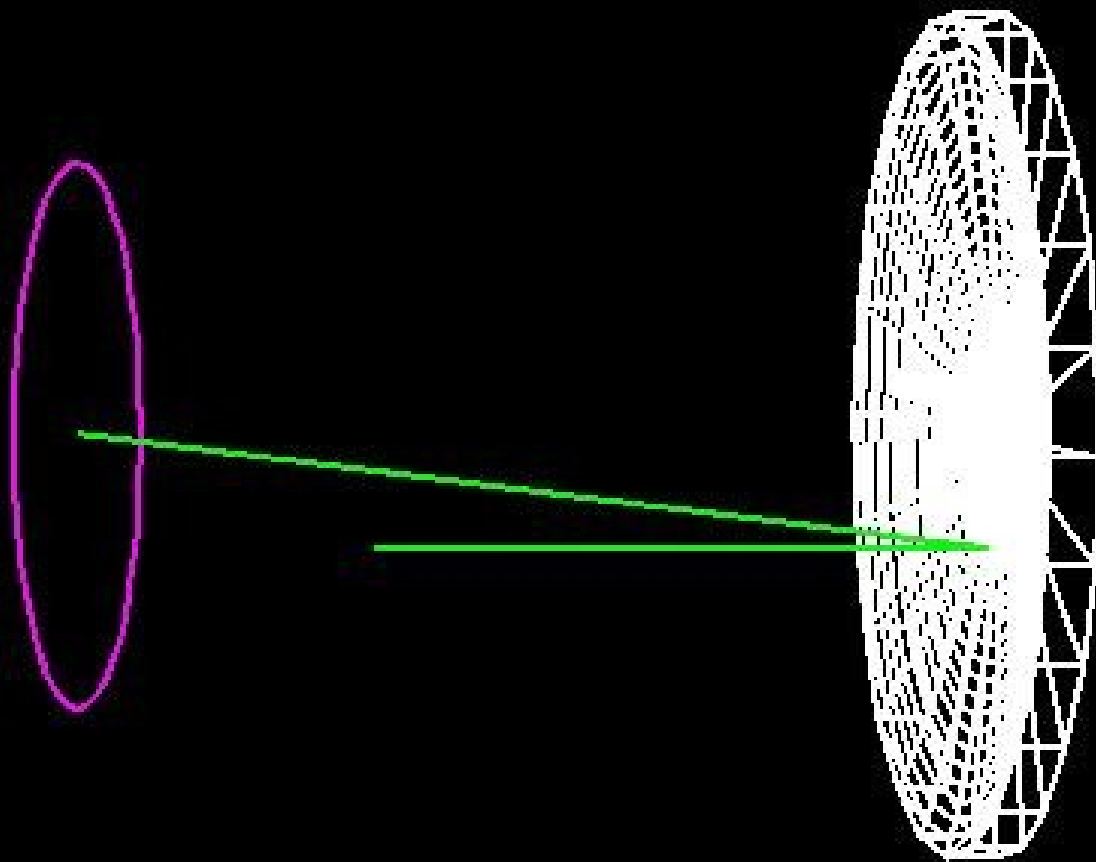


Various Configurations for Quartztof
by Kristina Yancey

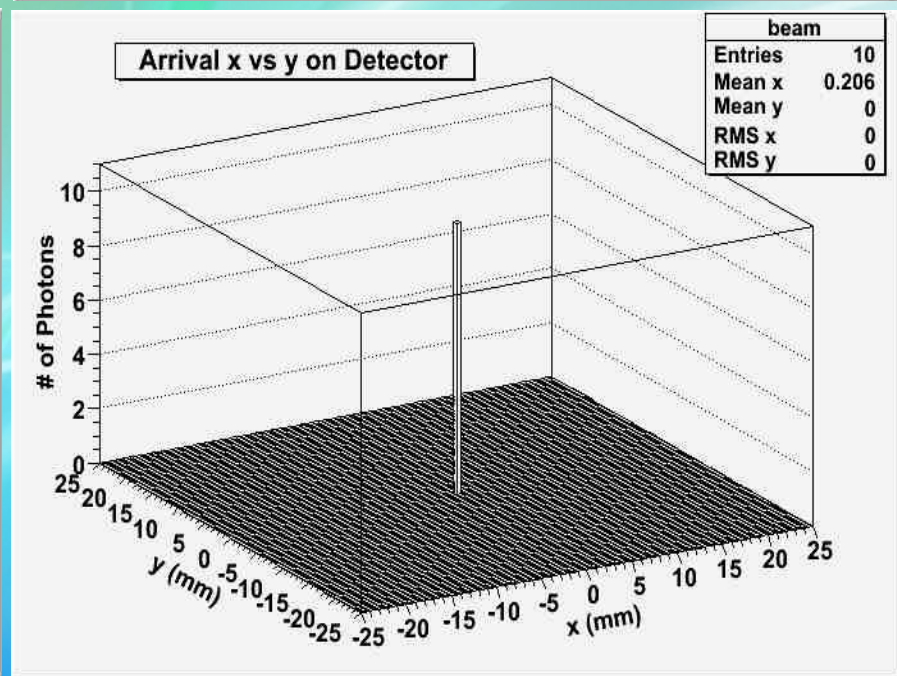
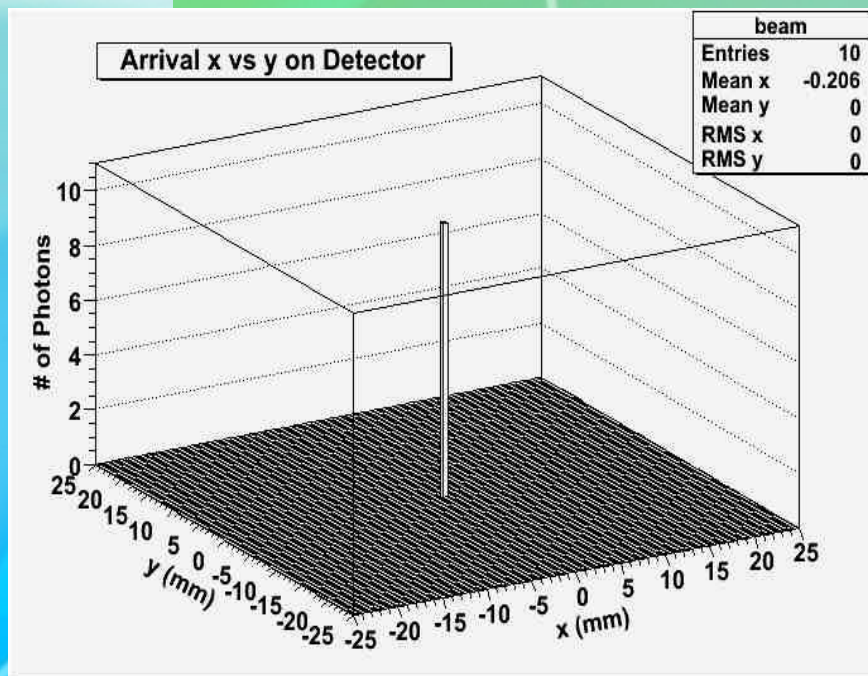
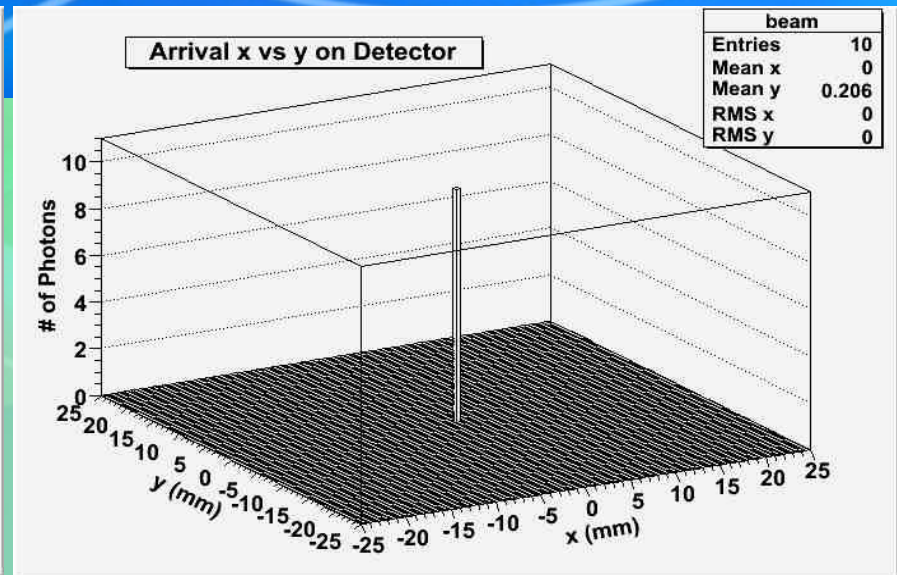
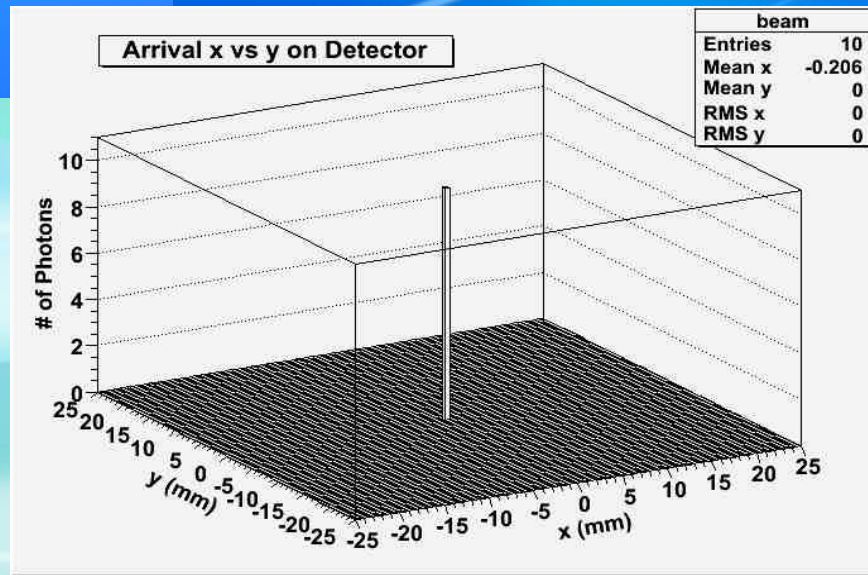
- Test photon using simple parabolic mirror-- works!



Photon beams on detector—all hit focal point

Gun position (0, 1, 5)

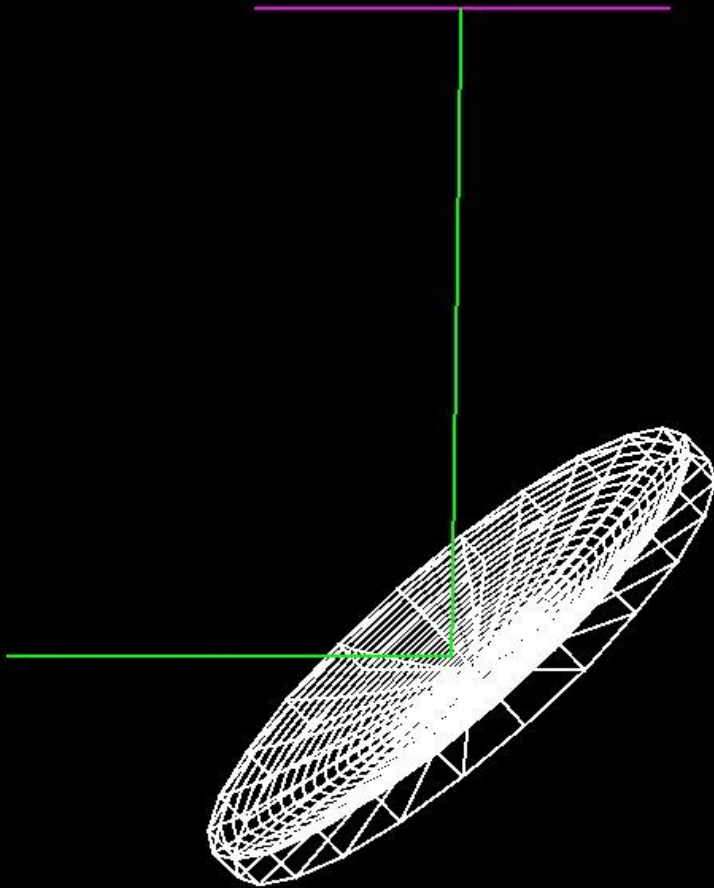
Gun position (0, -1, 5)



Gun position (1, 0, 5)

Gun position (-1, 0, 5)

Parabolic mirror tilted at 45°

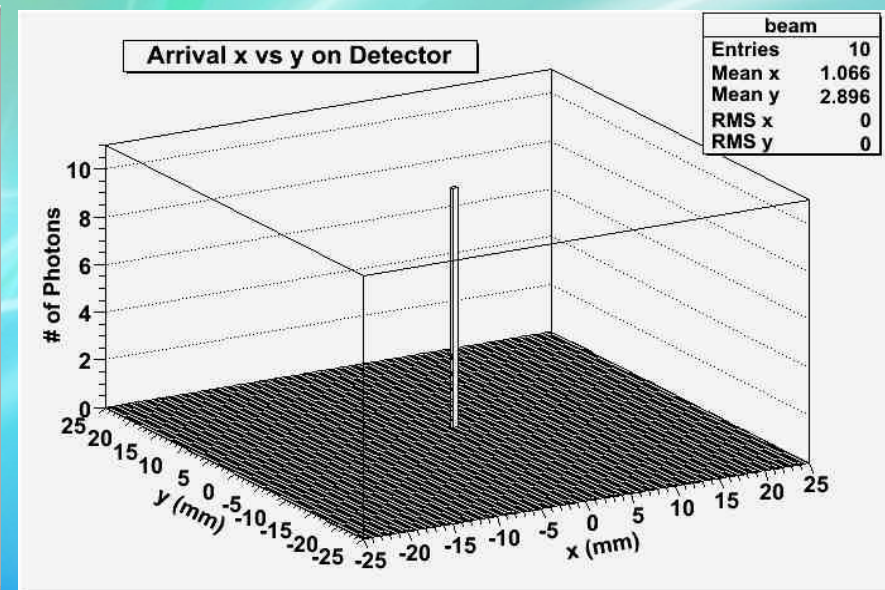
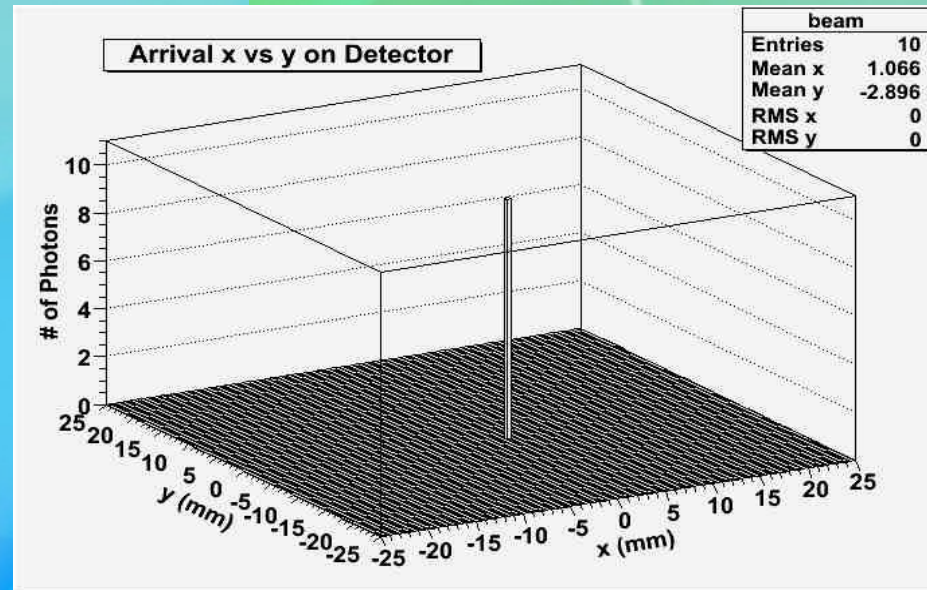
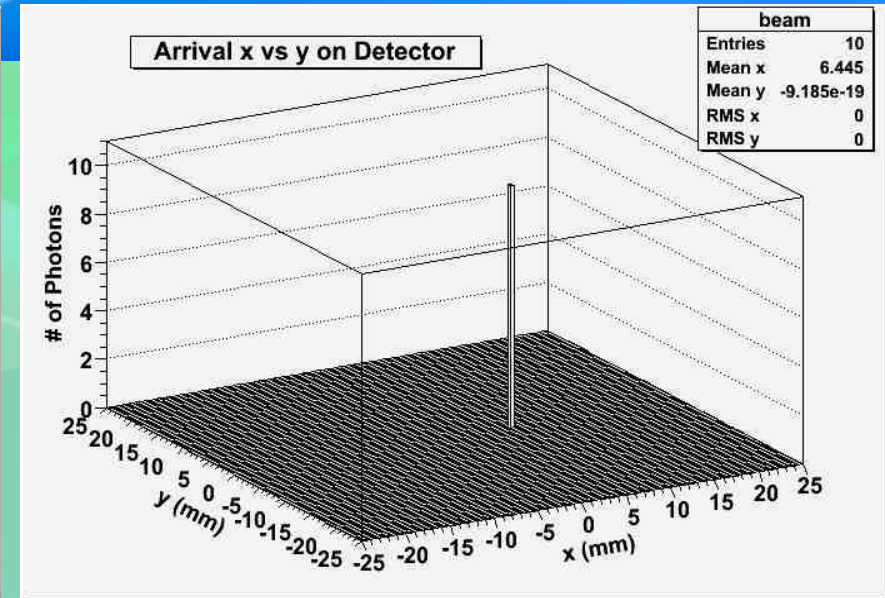
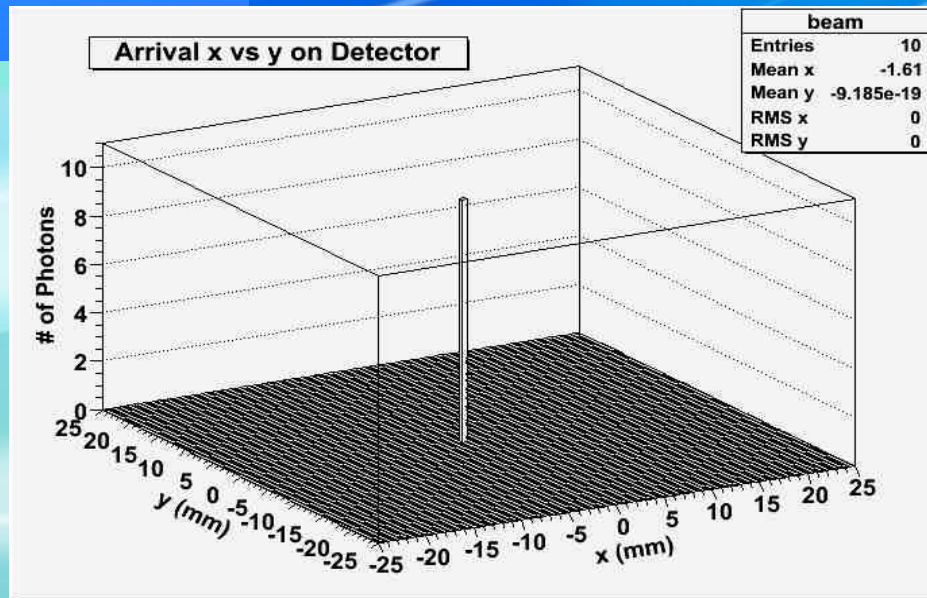


- Same mirror as from horizontal position, just tilted

Various photon beams on detector—do not hit focal point

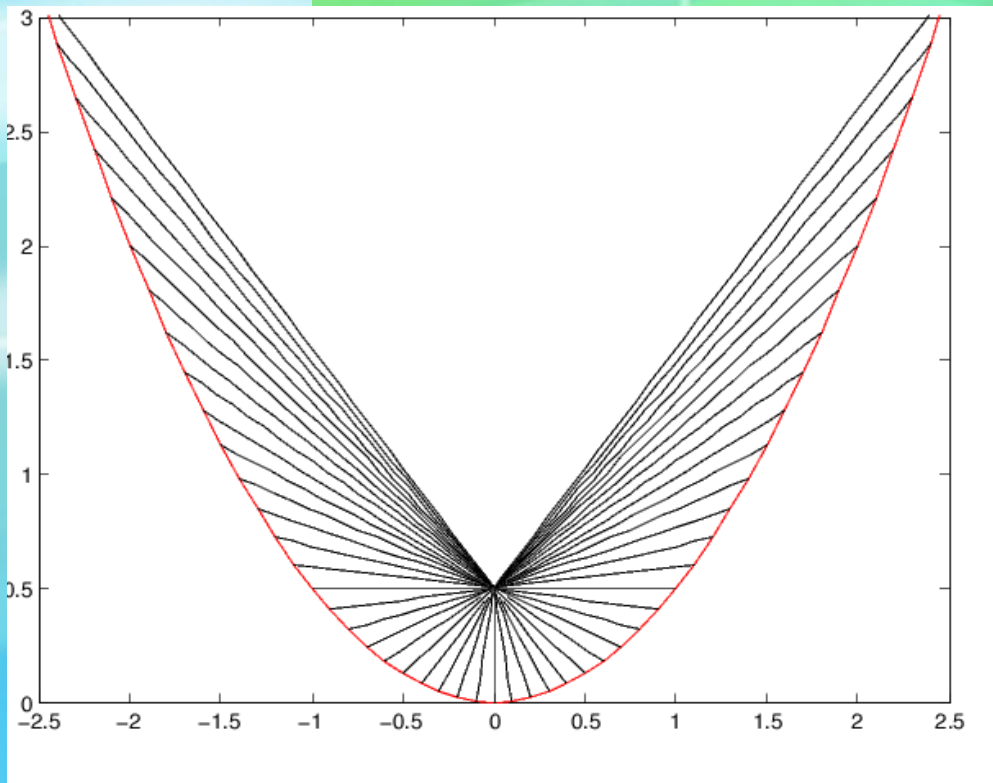
Gun position (0,1,5)

Gun position (0,-1,5)

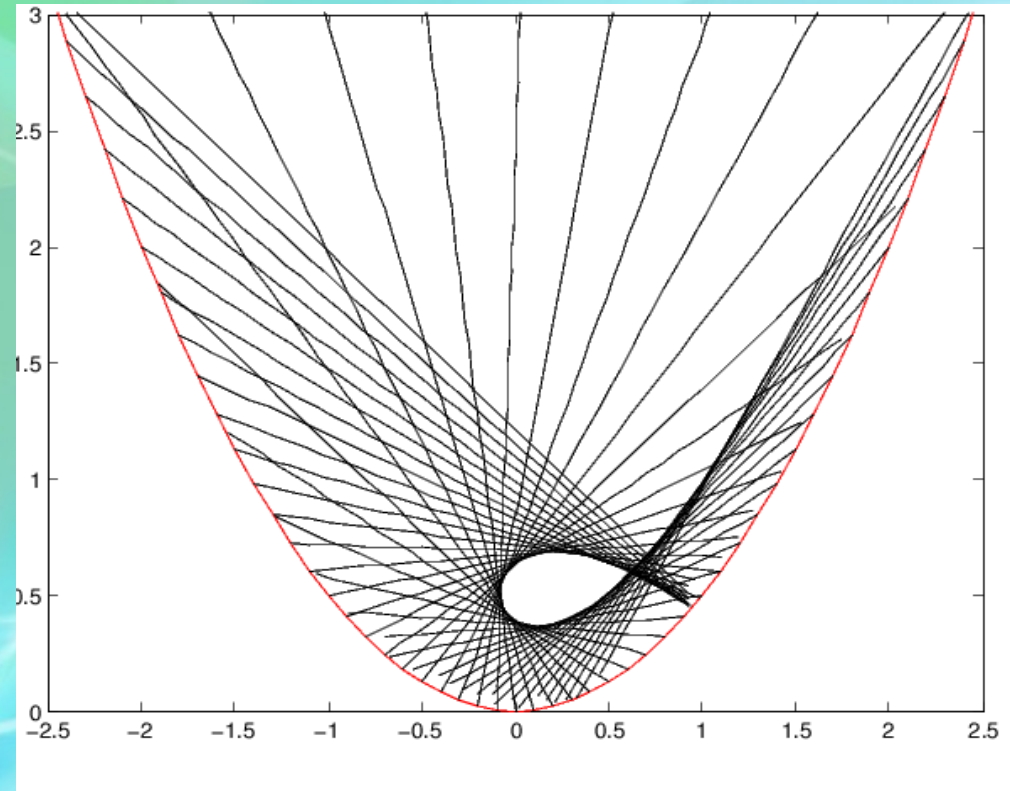


Gun position (1,0,5)

Gun position (-1,0,5)

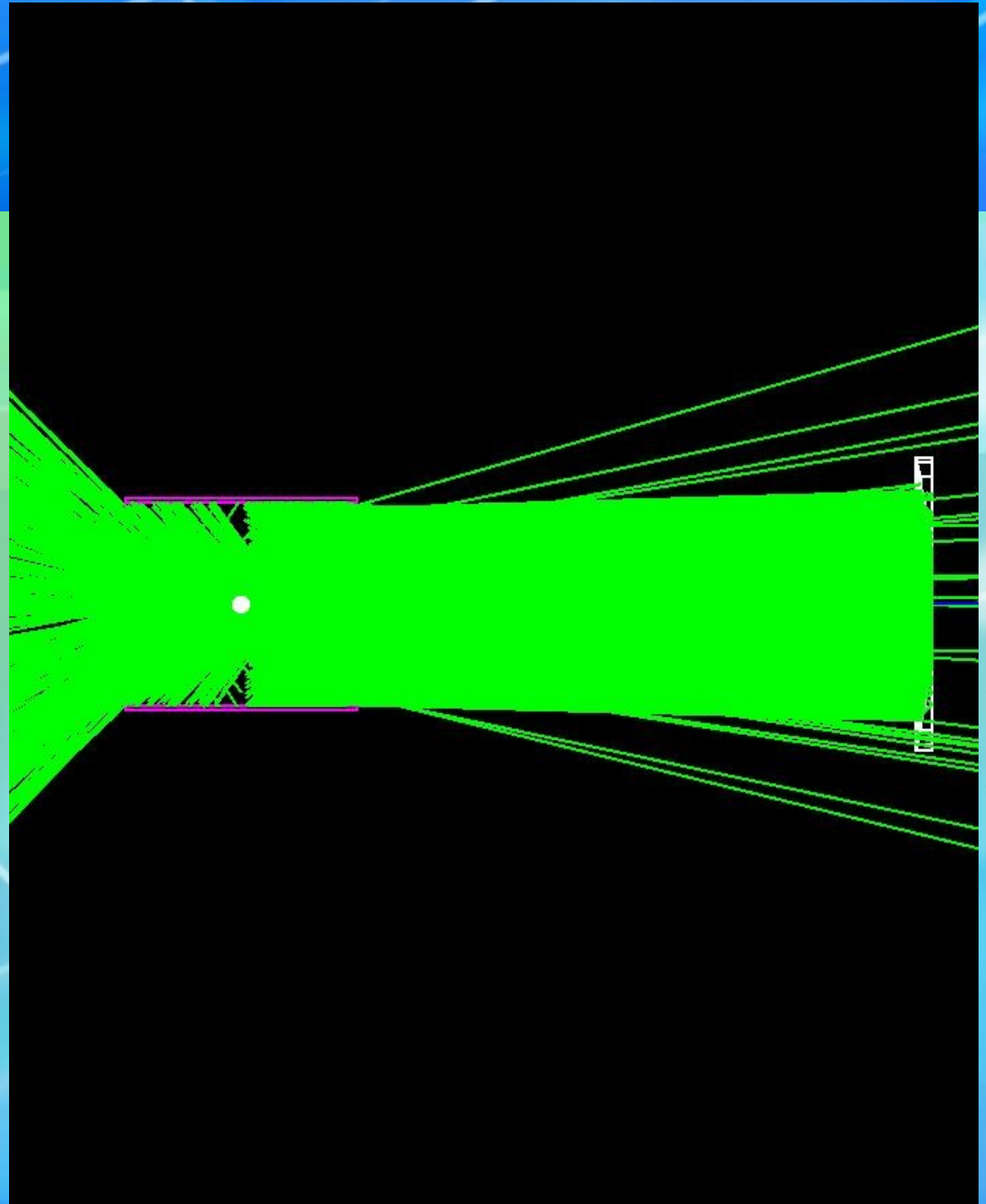


Incoming paraxial
parallel photons



Incoming non-paraxial
parallel photons

Cone-detector-mirror
configuration



Cone optimized at 6.0 eV (206.75 nm)

