Crossing Angle of Beam/Jet and Beam Path Length in Mercury Jet

X. Ding, D. Cline, UCLA
H. Kirk, J. S. Berg, BNL
The Mercury Jet Target Geometry
Displacement of Beam Initial Position at $z=-75\text{cm}$ needed to achieve $x=y=0$ at $z=-37.5\text{cm}$
The Effect of Deviation of Beam Initial Position

8 GeV, 500000 Protons in the Incident Beam
Crossing Angle of Beam/Jet at z=-75cm and z=-37.5cm
Path Length of Proton Beam inside the Mercury Jet