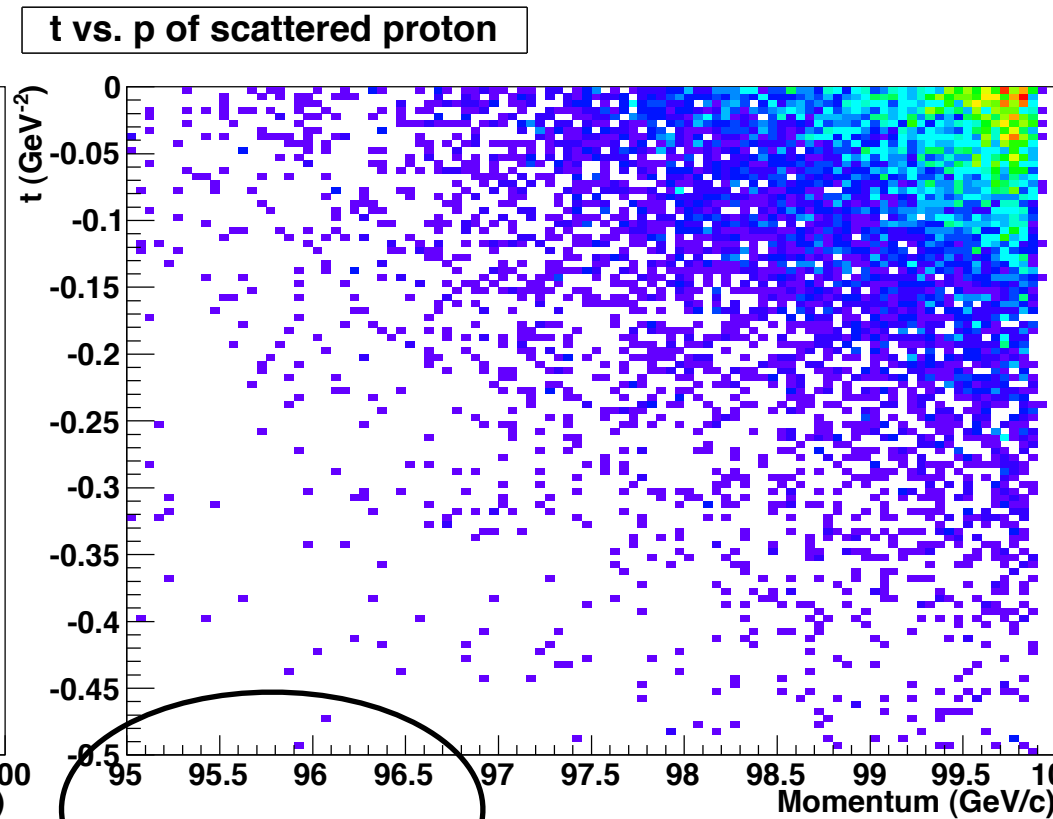
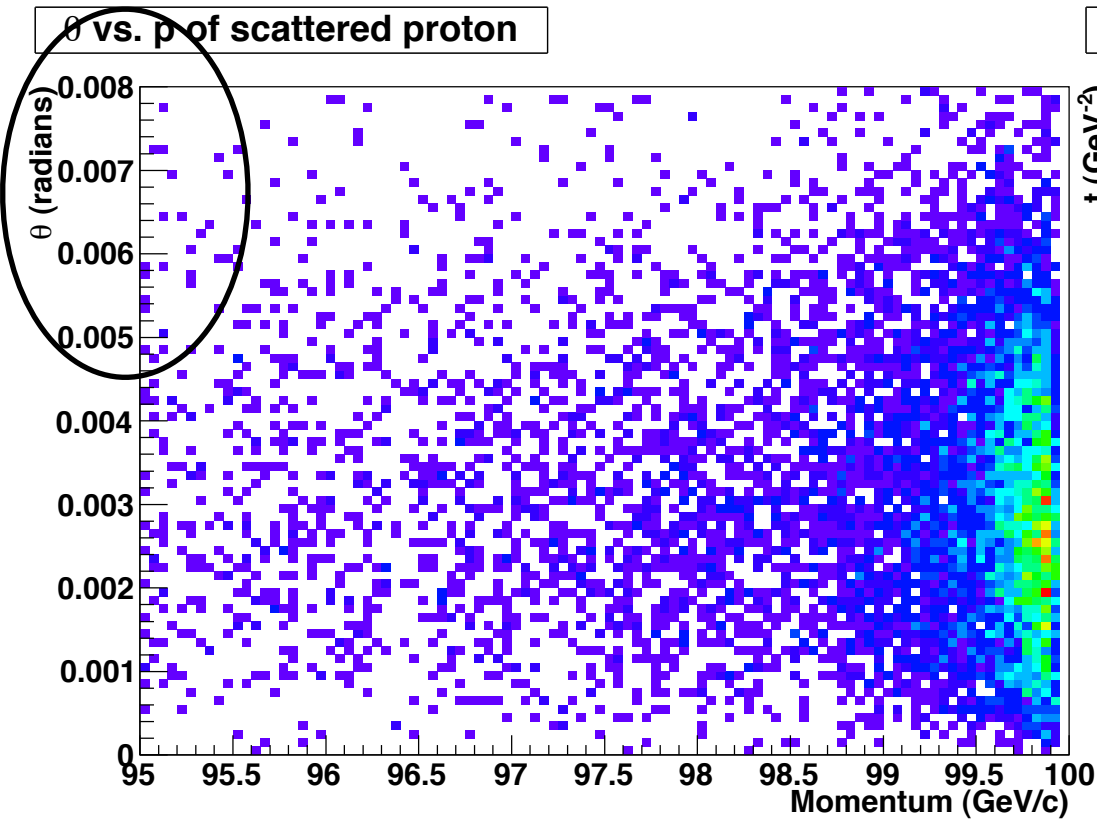


Forward protons in diffractive processes in ep and eAu

JHL
5/6/2010

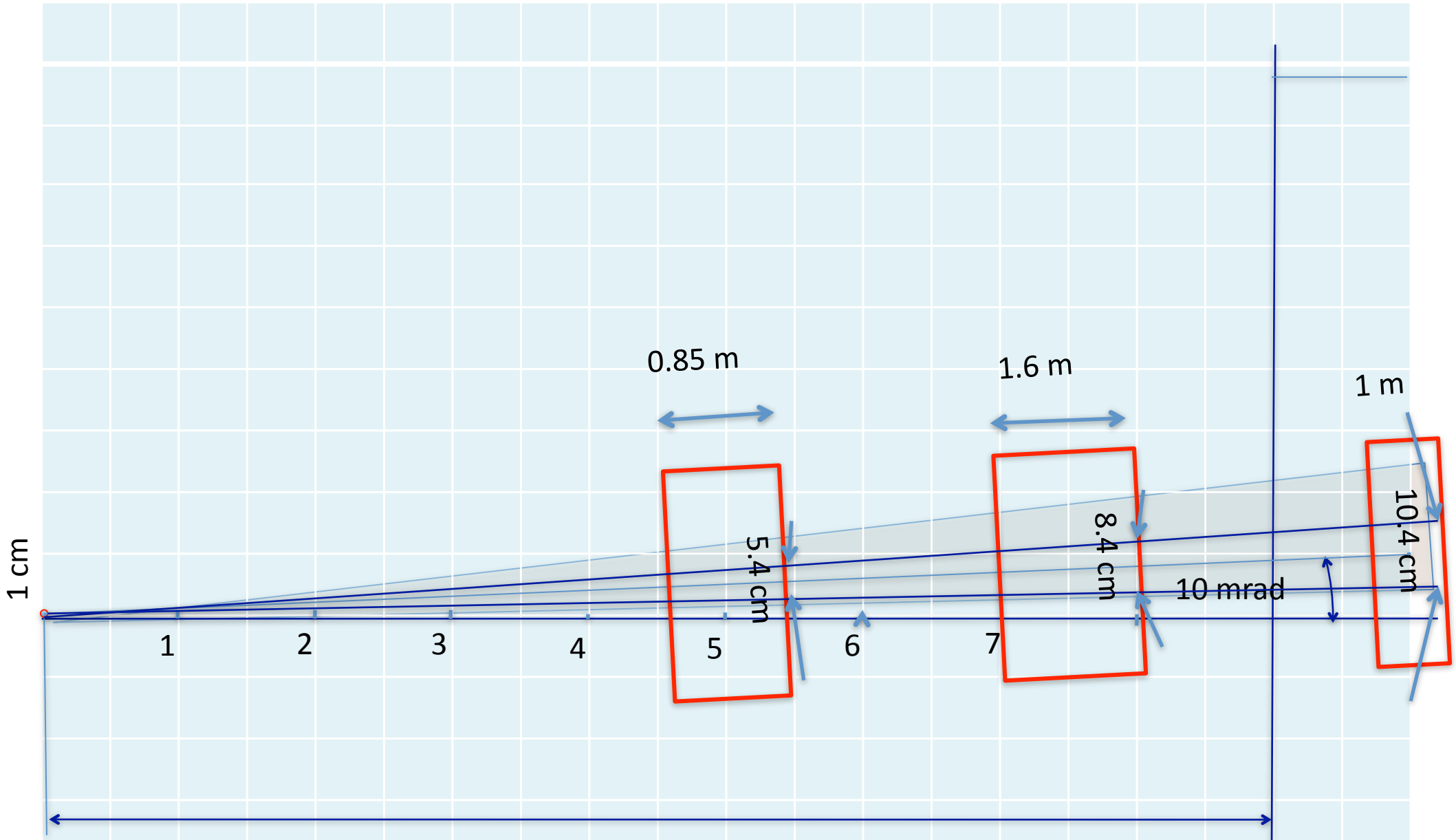
DVCS events (4+100 GeV)

MILUS + PYTHIA exclusive ρ (Thomas B.)



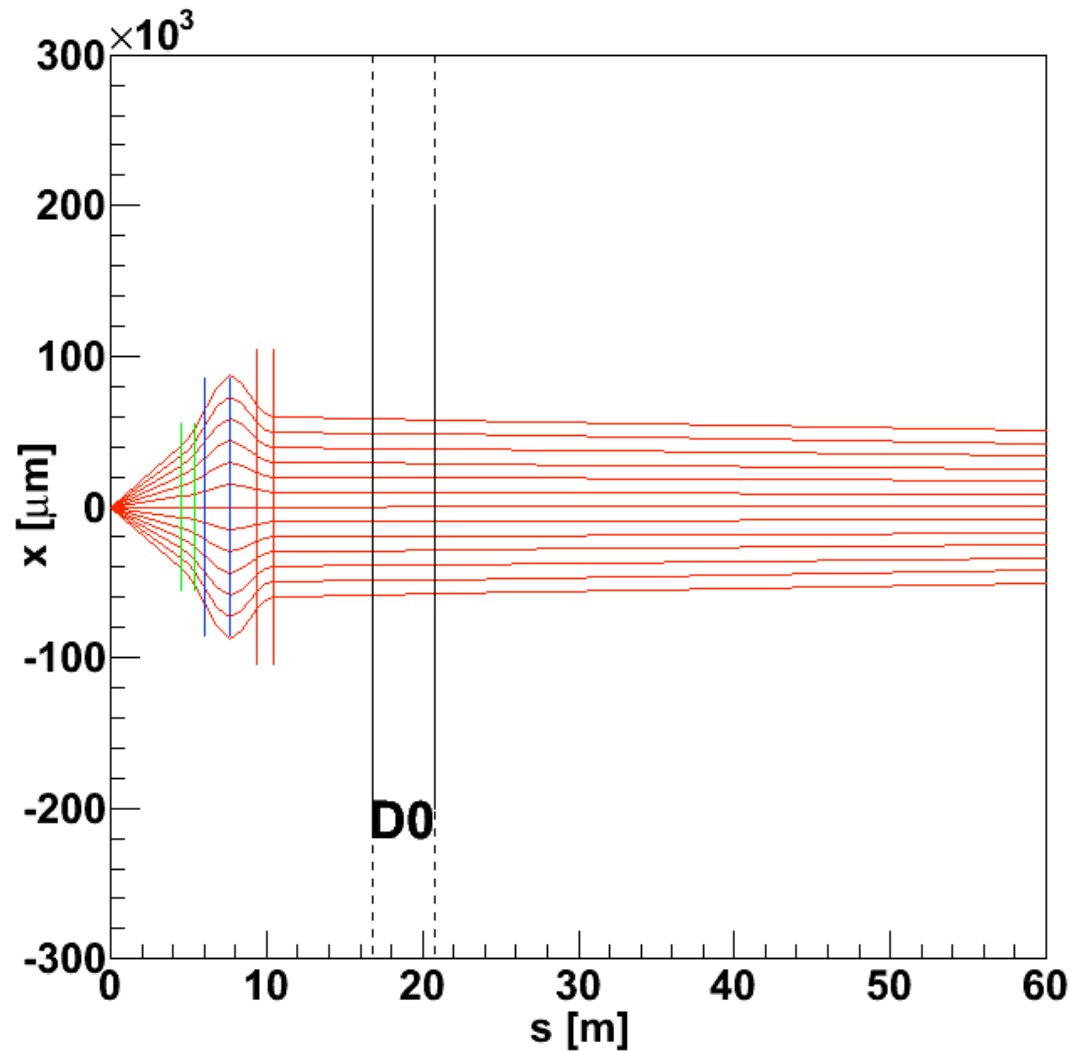
RHIC - Geometry high-lumi IR

D5

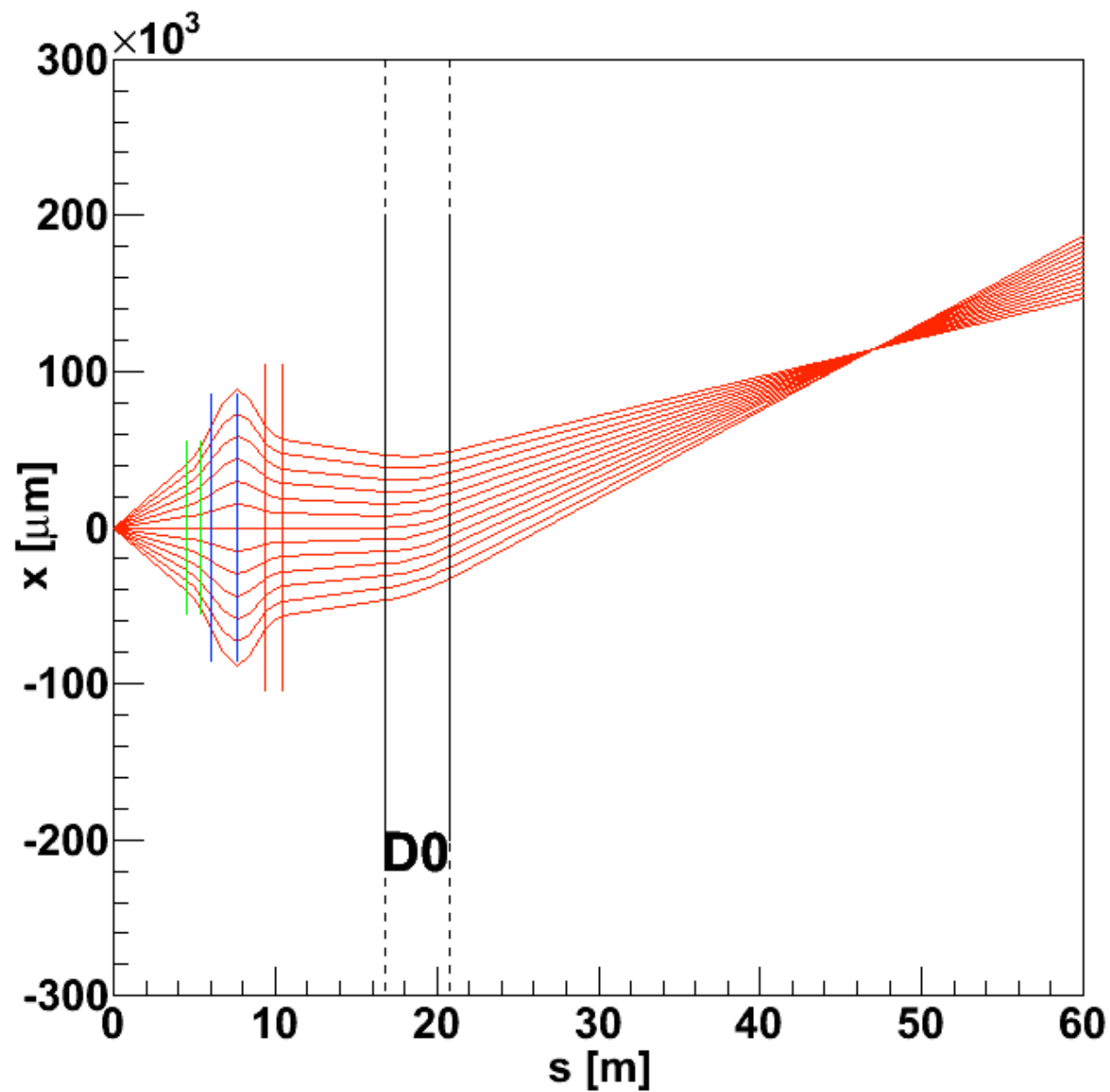


Simulation using Hector

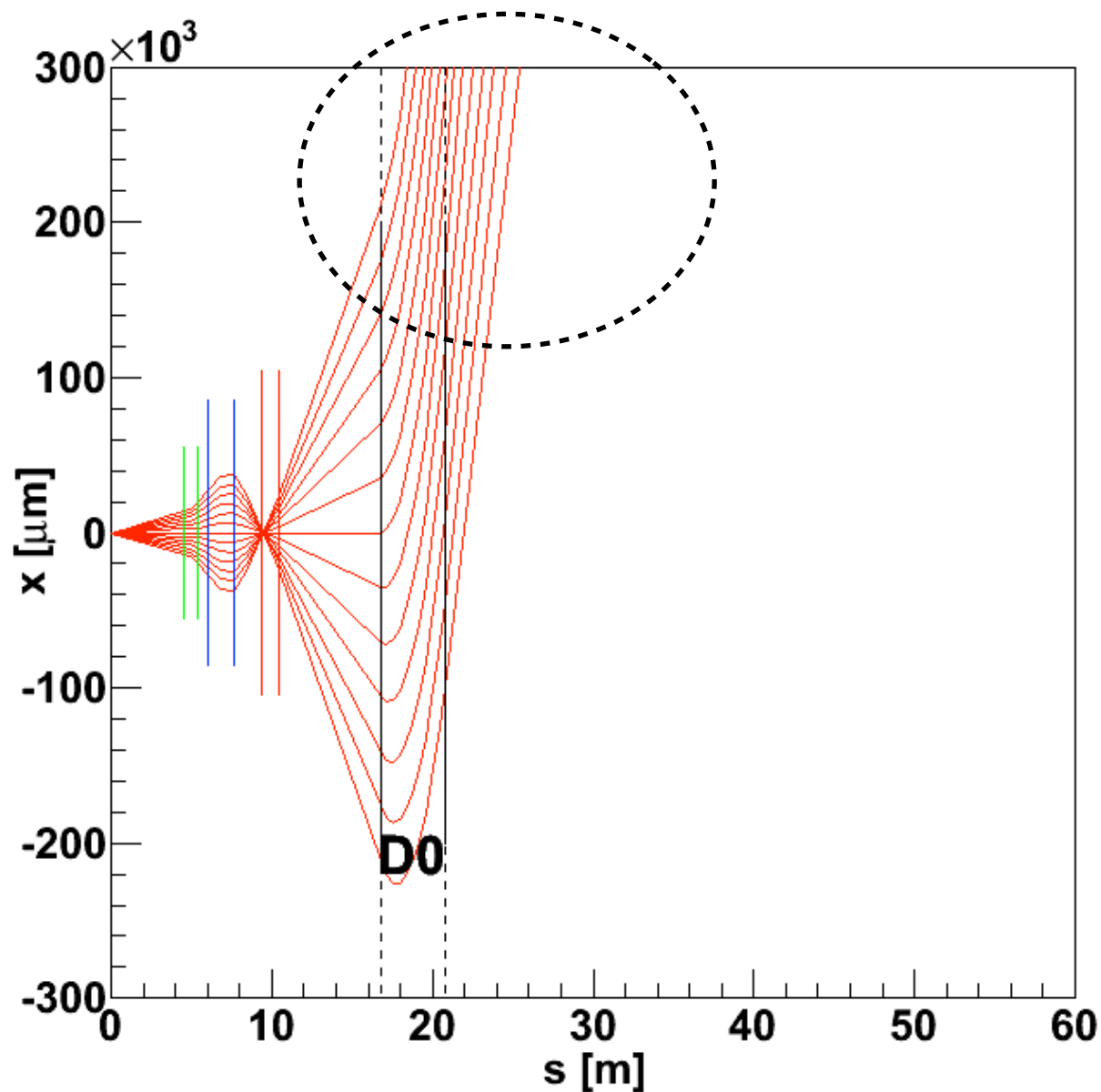
Input: From Dejan ($\beta^* = 5\text{cm}$)



- -9mrad - +9mrad for protons without momentum loss



- -9mrad - +9mrad for protons with 5% momentum loss



- -3mrad - +3mrad for fragmenting protons in Au tune
Magnetic rigidity (Au: p = 197/79:1 ~ 2.5:1)
- $\int Bdl$ (T·m) for D0: 1.5T×4m