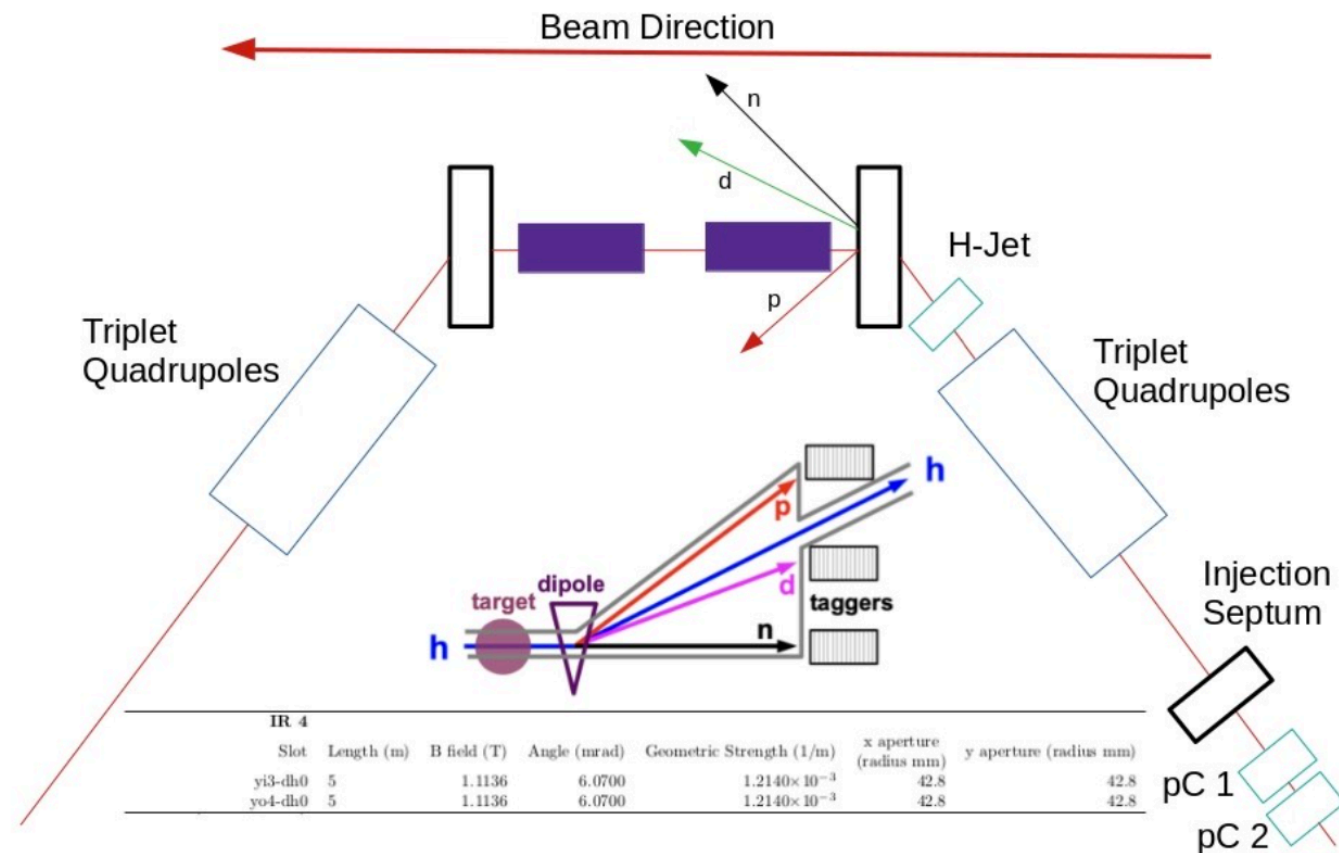

4 o'clock Polarimeter Placement

Zhengqiao Zhang

4 o'clock polarimeter placement



YI3_DH0

SL_KICK_MOD B

SL_KICK_MOD A

Y04_DH0

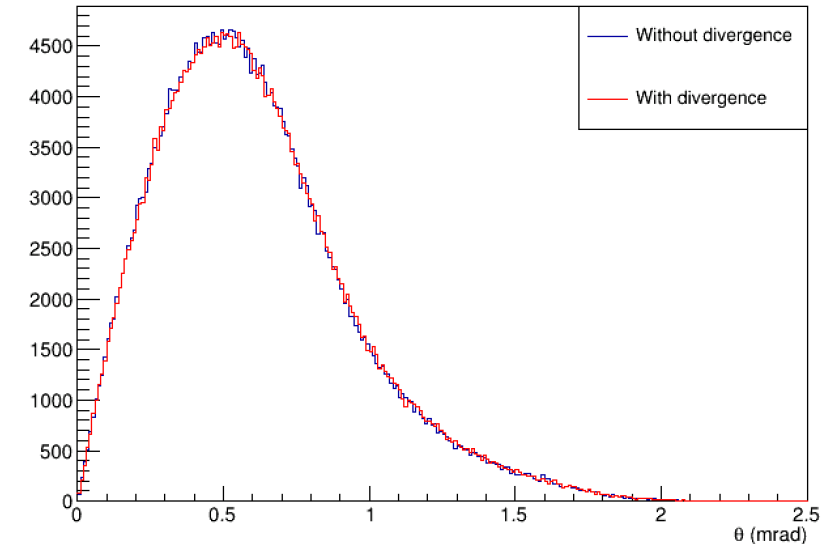
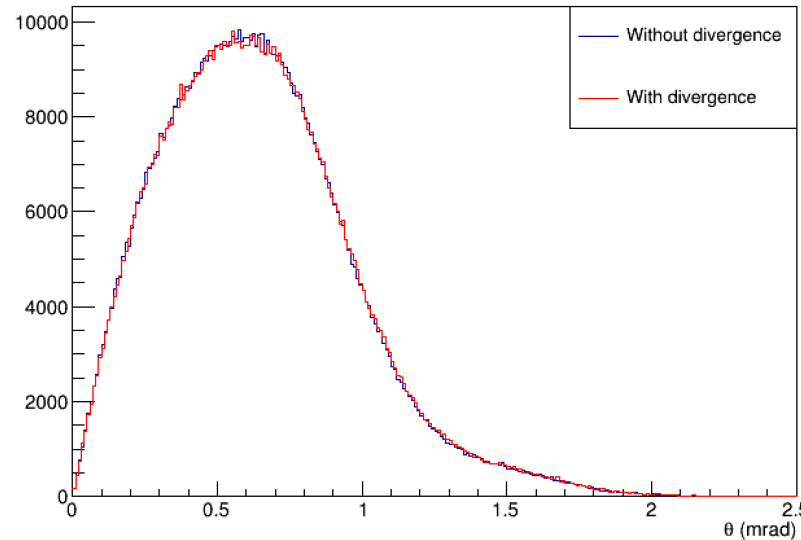
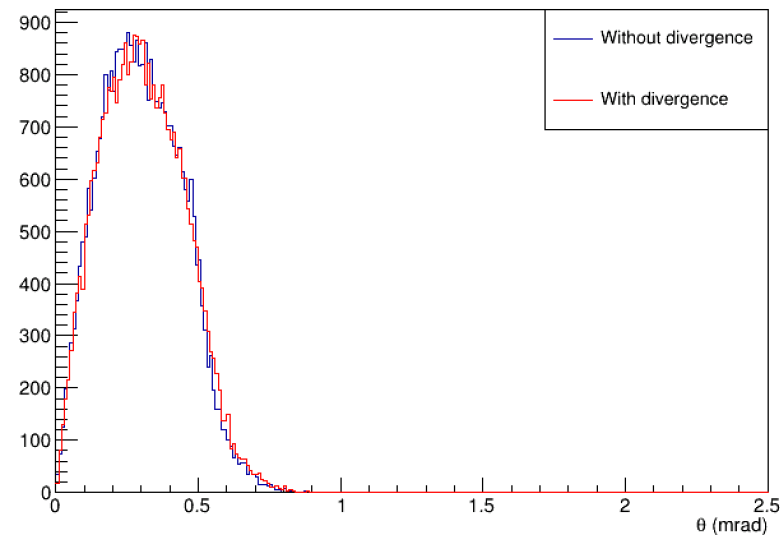
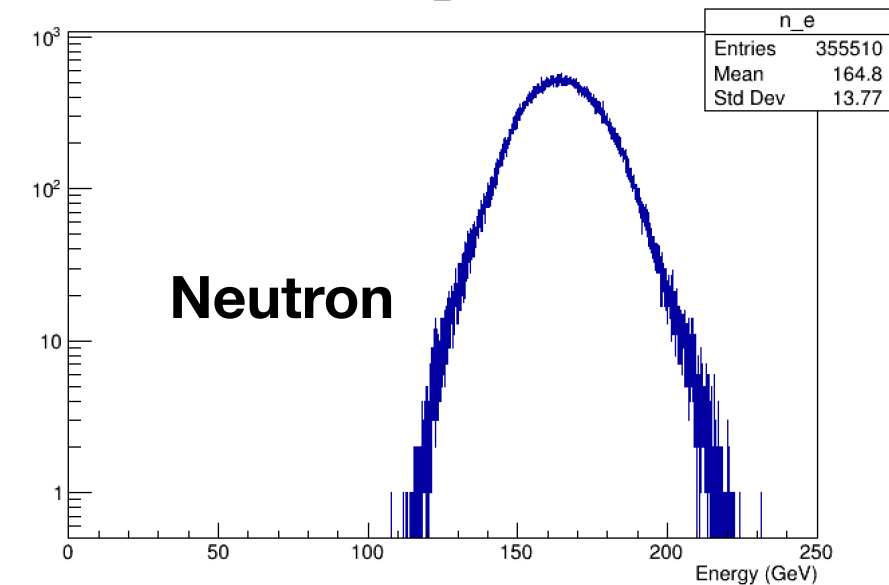
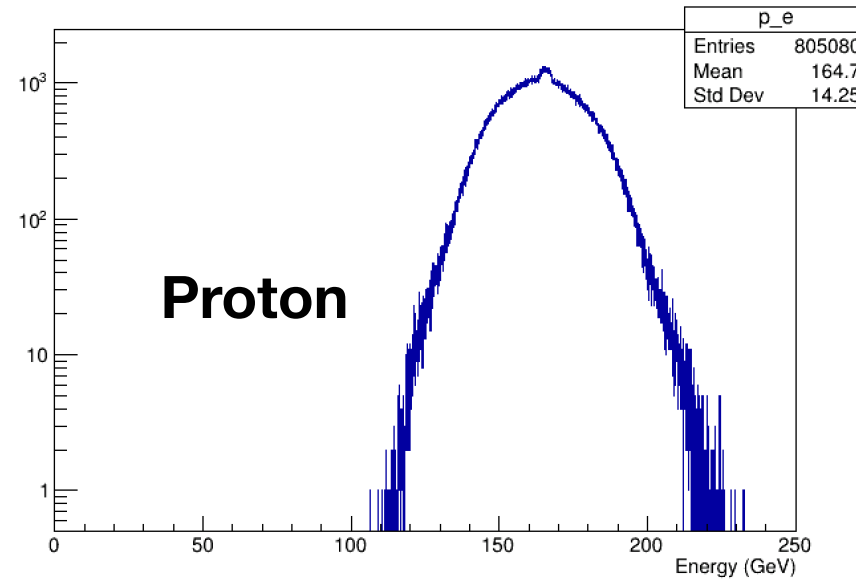
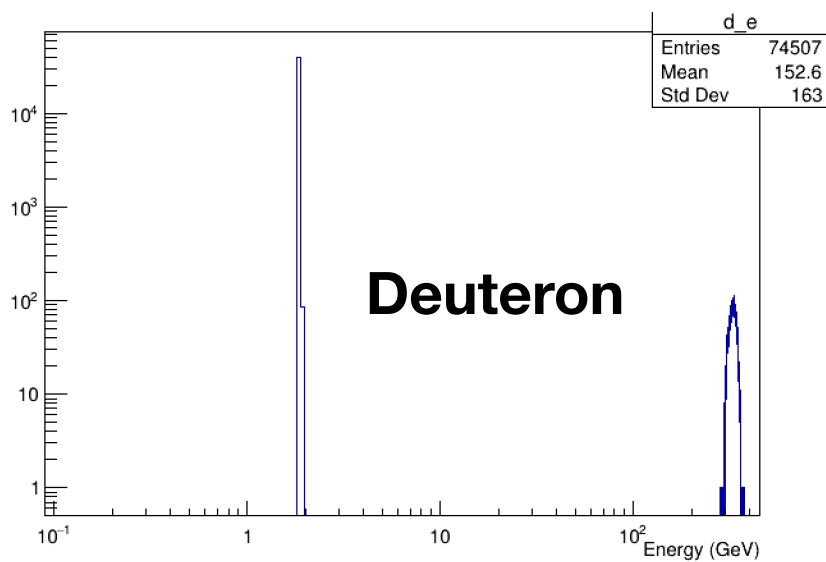
HJET

Y04_QD1

Y04_QF1

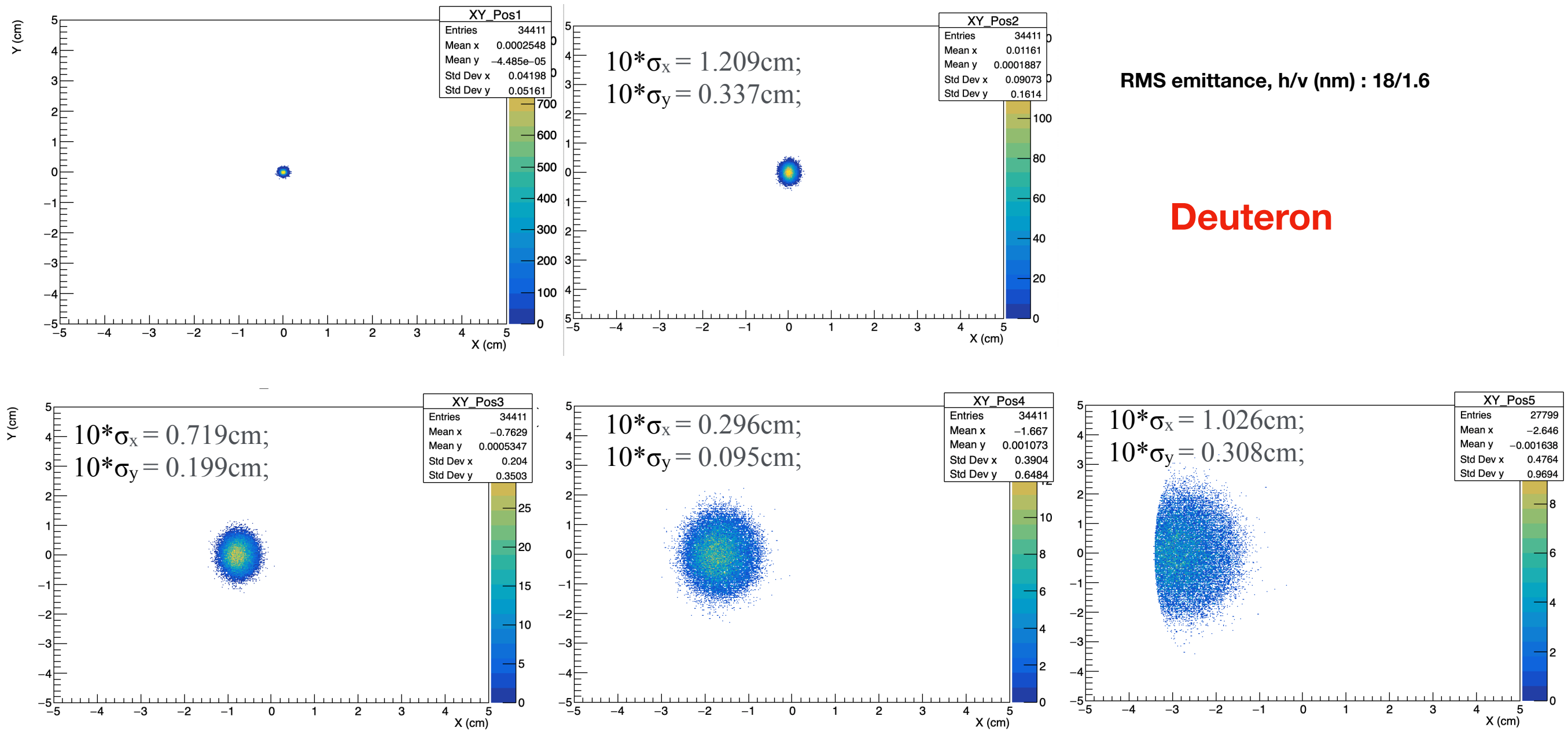
Y04_QD3

He3 Decayed particles from DMPJet model



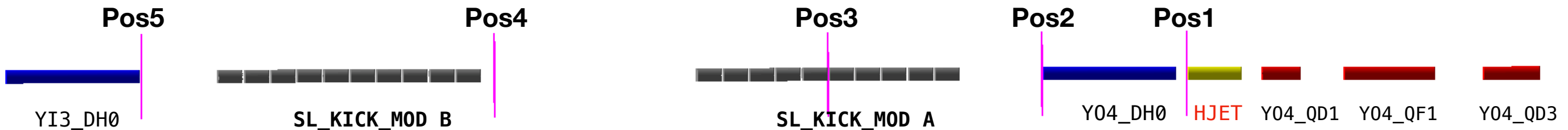
- I choose $KS=-1/1001$, stable final state particles generated during the evaporation process in He3-He3 collision (166GeV)
- We ignore the particles with small energy which come from the target spectators;
- The divergence at HJET is $\sigma_{x'} = 63.2\mu\text{rad}$, $\sigma_{y'} = 18.2\mu\text{rad}$;

XY distribution in the detector plane

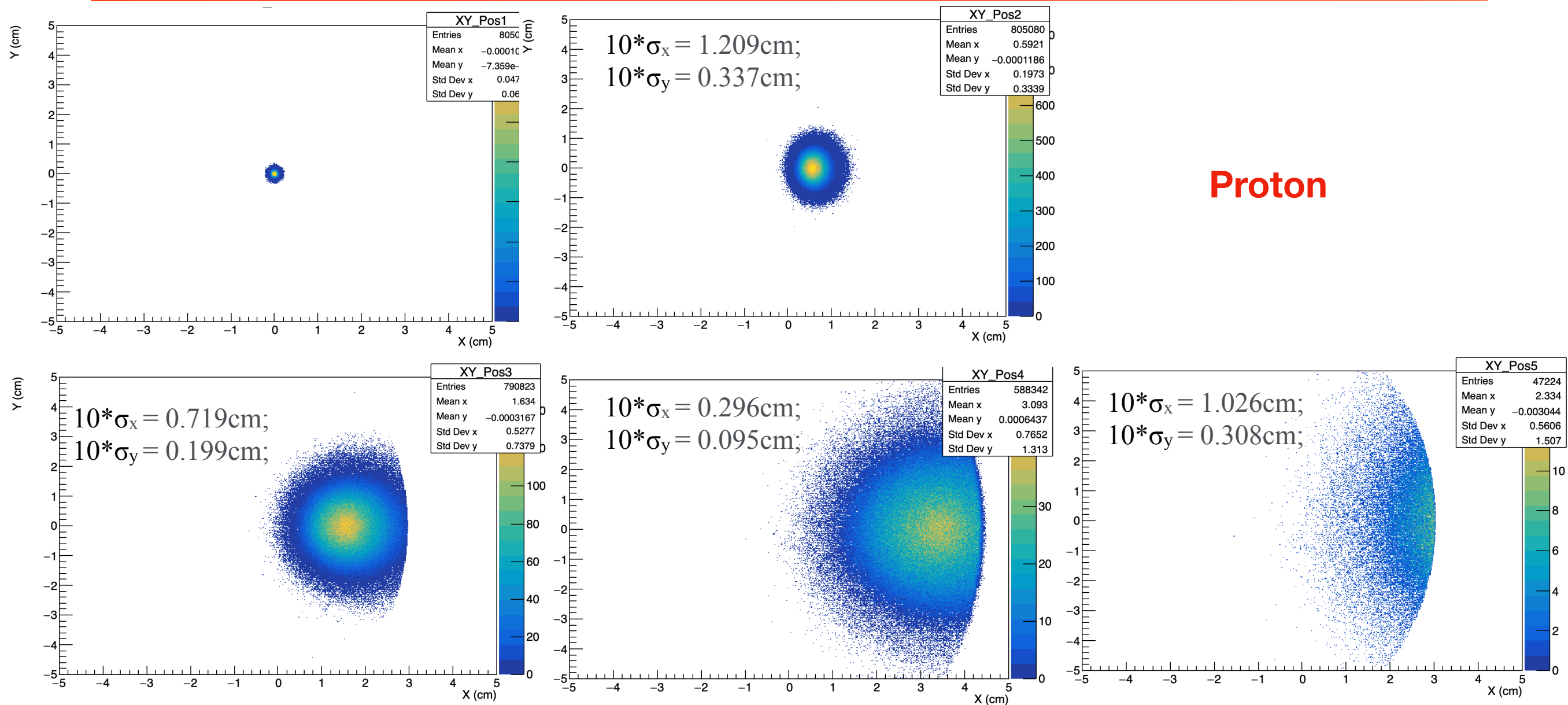


RMS emittance, h/v (nm) : 18/1.6

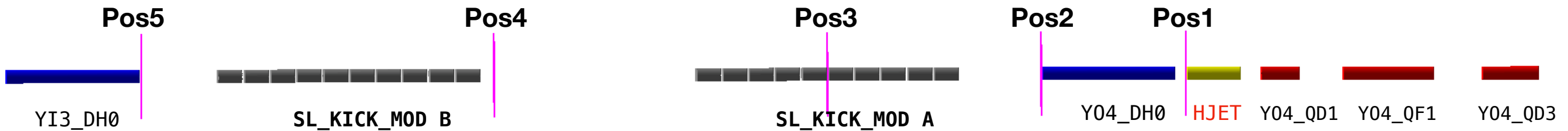
Deuteron



XY distribution in the detector plane



Proton



XY distribution in the detector plane

Neutron

