Correlation of Leading Hadrons in Jet

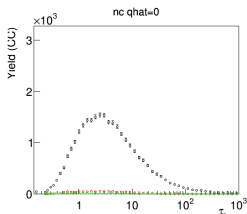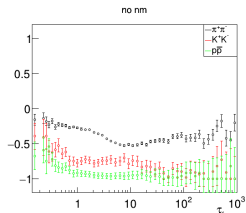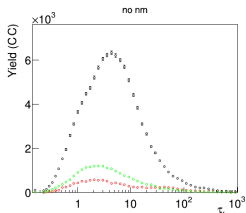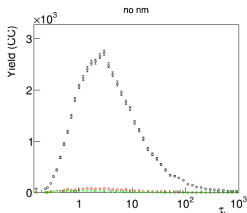$$r_c = \frac{Y_{cc} - Y_{c\bar{c}}}{Y_{cc} + Y_{c\bar{c}}}$$

Where c is the charged final hadron ($\pi^{\pm}$, $K^{\pm}$ and $p/\bar{p}$)
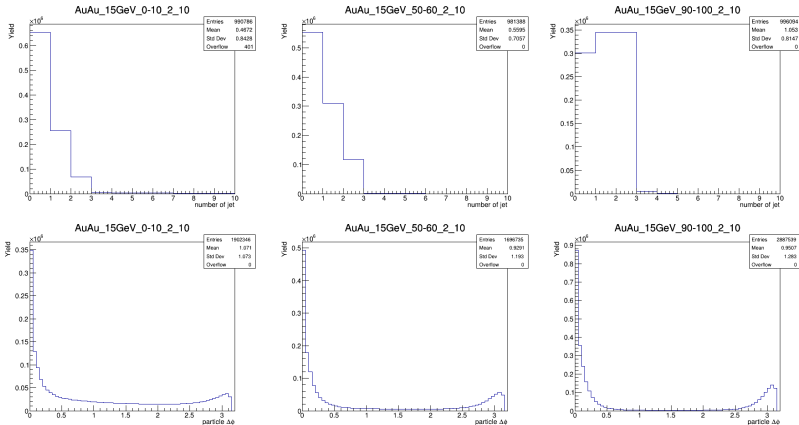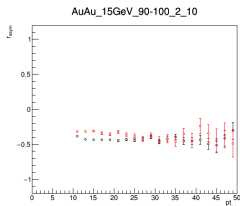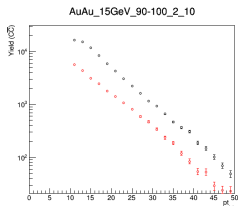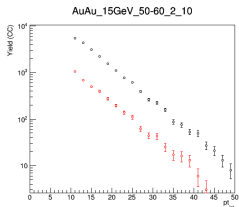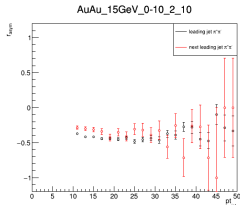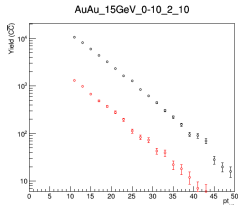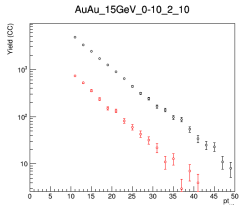
r_C with beagle
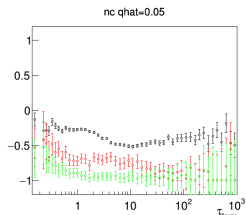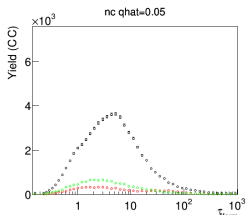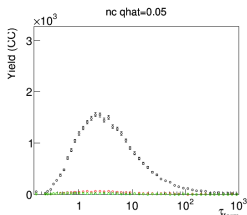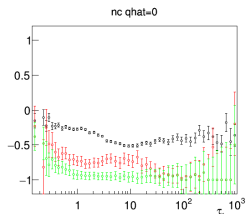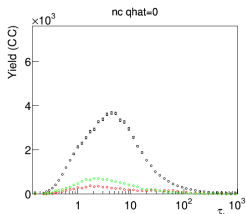
Basic Info

- Collision hard pT $> 15\ GeV$
- particle: $|\eta| < 2.5$; $p_T > 2\ GeV$
- jet: R $= 0.6$; $p_T > 10\ GeV$

Number of Jets and Particle $\Delta\phi$

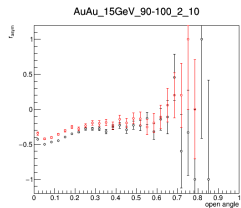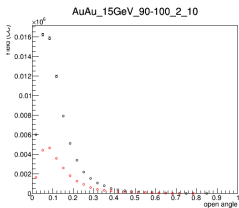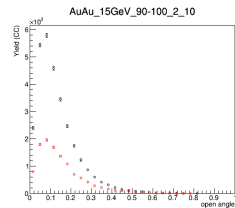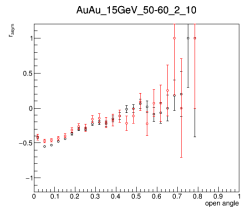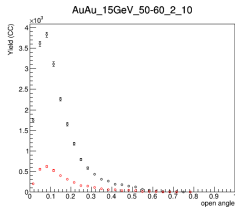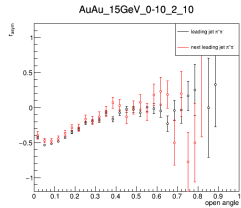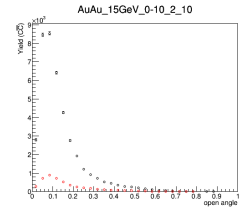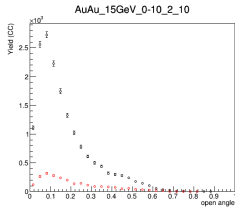- With the decrease of centrality (impact parameter), number of 2-jets events decrease (due to medium impact)
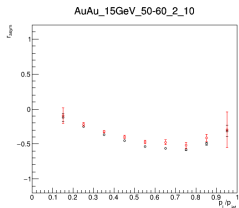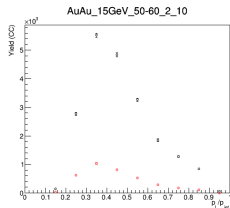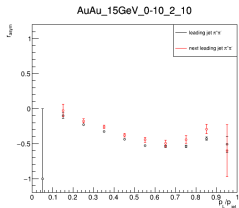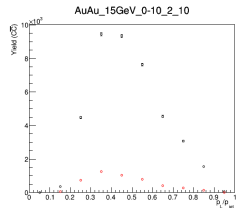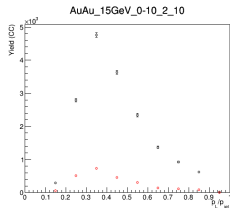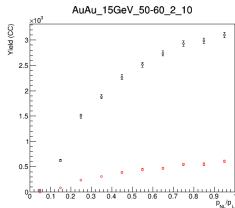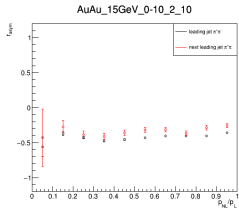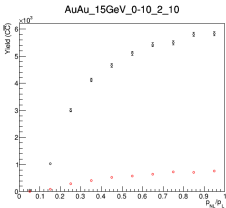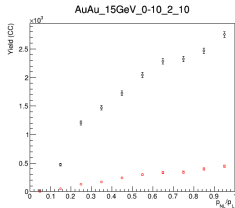
r_c Dependence on jet p_T
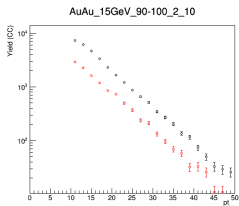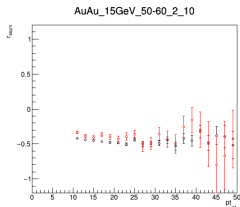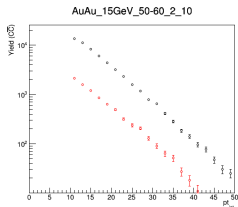
r_c Dependence on Open angle
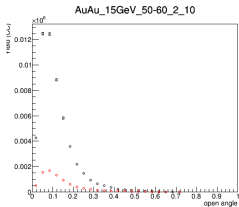
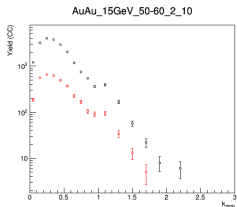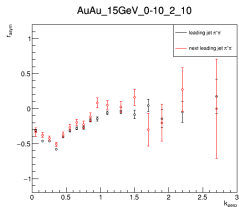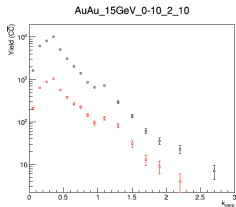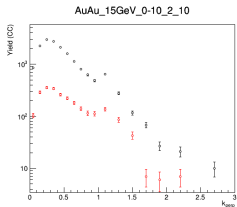# r_c Dependence on Leading p/jet p
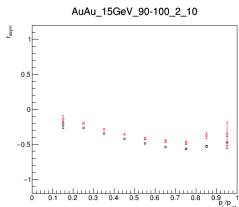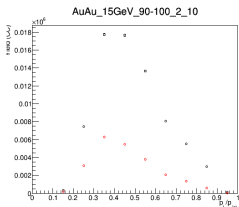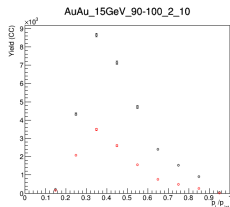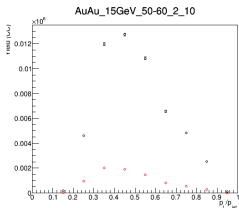
r_c Dependence on Next-Leading p/Leading p
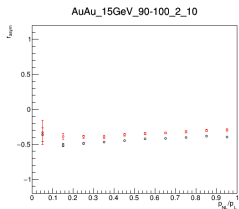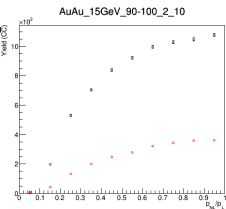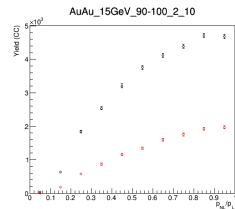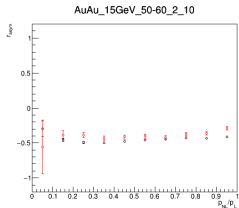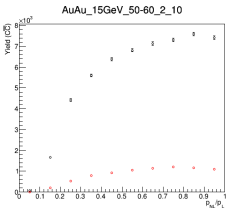
r_c Dependence on $k_\perp$
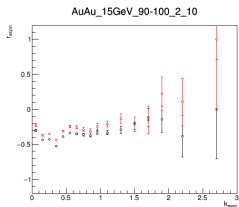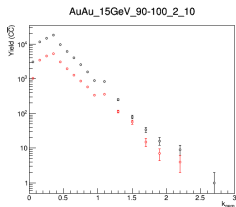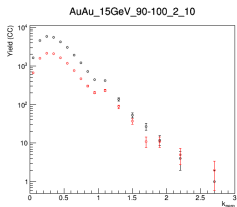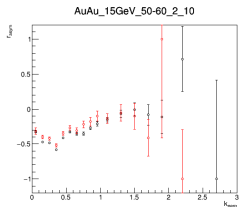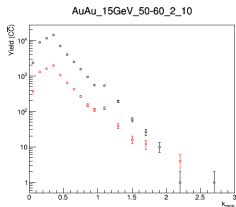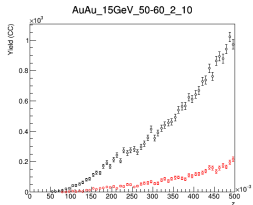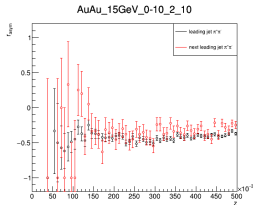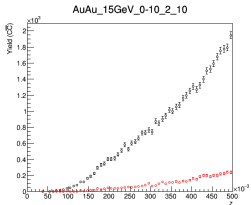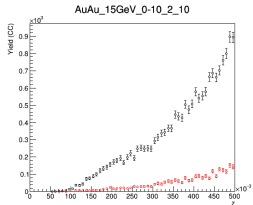
r_c Dependence on z

r_c Dependence on FT