Ratio yield comparison

7.7GeV 0-10% |y|<0.5

- JAM model
- $\frac{N_p^{sim}}{N_p^{data}} = \frac{45.4}{38.26} = 1.19$
- 0.22GeV, 5.8fm $\frac{N_d^{sim}}{N_d^{data}} = \frac{1.13}{1.41}$
- 0.26GeV, 5.4fm $\frac{N_t^{sim}}{N_t^{data}} = \frac{0.00124}{0.0231}$
- $\frac{(N_t N_p/N_d^2)^{sim}}{(N_t N_p/N_d^2)^{data}} = \frac{0.041}{0.446}$

- $N_t N_p/N_d^2$ Ratio yield min-bias
- $\frac{N_p^{sim}}{N_p^{data}} = \frac{45.4}{38.26}$
- 0.30GeV, 4.2fm $\frac{N_d^{sim}}{N_d^{data}} = \frac{0.794}{1.41}$
- 0.42GeV, 5.6fm $\frac{N_t^{sim}}{N_t^{data}} = \frac{0.00663}{0.0231}$
- $\frac{(N_t N_p/N_d^2)^{sim}}{(N_t N_p/N_d^2)^{data}} = \frac{0.446}{0.446}$

- d/p & t/p Ratio yield min-bias
- $\frac{N_p^{sim}}{N_p^{data}} = \frac{45.4}{38.26}$
- 0.26GeV, 6.0fm $\frac{N_d^{sim}}{N_d^{data}} = \frac{1.79}{1.41}$
- 0.50GeV, 6.0fm $\frac{N_t^{sim}}{N_t^{data}} = \frac{0.0134}{0.0231}$
- $\frac{(N_t N_p/N_d^2)^{sim}}{(N_t N_p/N_d^2)^{data}} = \frac{0.177}{0.446}$

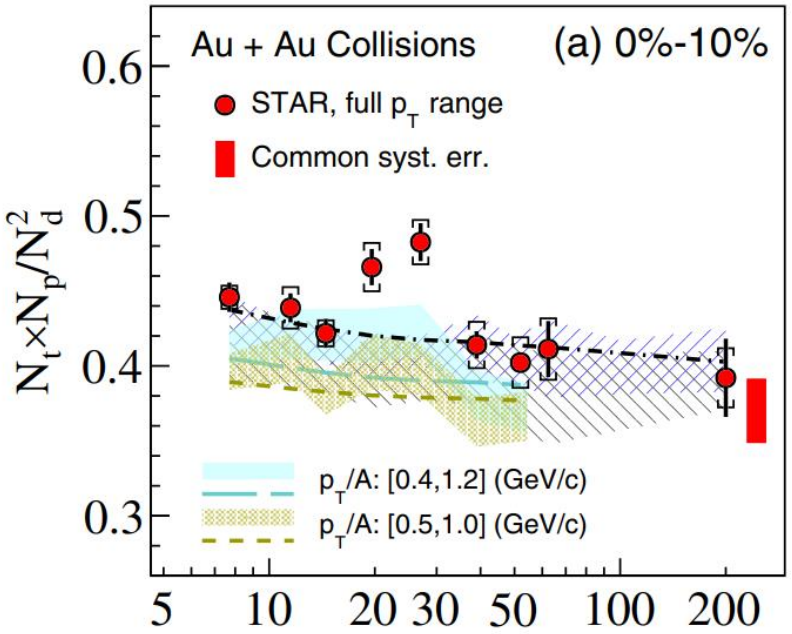
19.6GeV 0-10% |y|<0.5

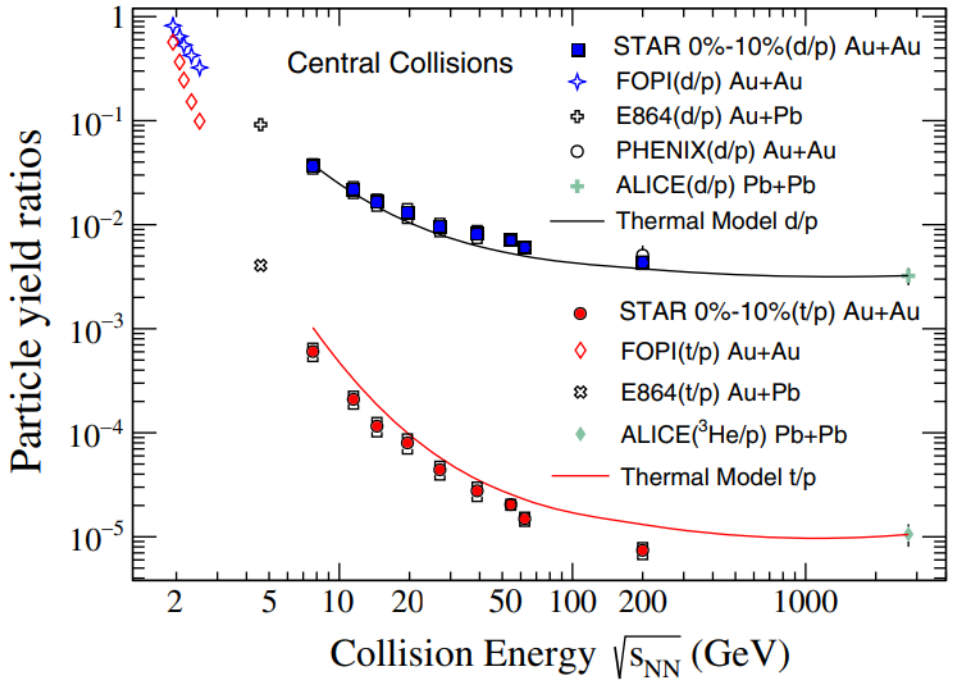
- JAM model
- $\frac{N_p^{sim}}{N_p^{data}} = \frac{29.4}{20.96} = 1.40$
- 0.22GeV, 5.8fm $\frac{N_d^{sim}}{N_d^{data}} = \frac{0.157}{0.277}$
- 0.26GeV, 5.4fm $\frac{N_t^{sim}}{N_t^{data}} = \frac{0.000212}{0.00170}$
- $\frac{(N_t N_p/N_d^2)^{sim}}{(N_t N_p/N_d^2)^{data}} = \frac{0.252}{0.466}$

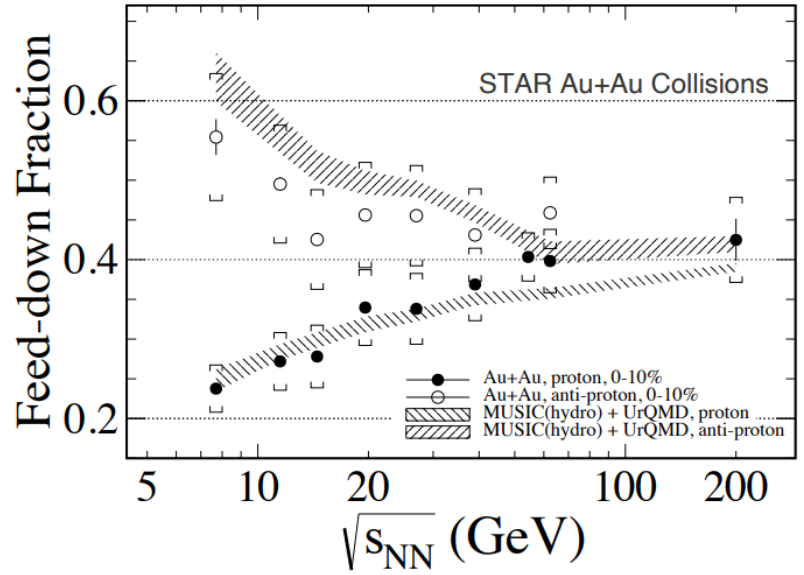
- $N_t N_p/N_d^2$ Ratio yield min-bias
- $\frac{N_p^{sim}}{N_p^{data}} = \frac{29.4}{20.96}$
- 0.26GeV, 2.8fm $\frac{N_d^{sim}}{N_d^{data}} = \frac{0.0308}{0.277}$
- 0.30GeV, 3.0fm $\frac{N_t^{sim}}{N_t^{data}} = \frac{1.5e-5}{0.00170}$
- $\frac{(N_t N_p/N_d^2)^{sim}}{(N_t N_p/N_d^2)^{data}} = \frac{0.446}{0.466}$

- d/p & t/p Ratio yield min-bias
- $\frac{N_p^{sim}}{N_p^{data}} = \frac{29.4}{20.96}$
- 0.42GeV, 5.6fm $\frac{N_d^{sim}}{N_d^{data}} = \frac{0.384}{0.277}$
- 0.46GeV, 6.0fm $\frac{N_t^{sim}}{N_t^{data}} = \frac{0.00236}{0.00170}$
- $\frac{(N_t N_p/N_d^2)^{sim}}{(N_t N_p/N_d^2)^{data}} = \frac{0.491}{0.466}$

Back up







$$Feed-down\ fraction = \frac{decayed\ proton}{inclusive\ proton}$$