Azimuthal Correlations with high-pt multi-hadron cluster triggers in Au+Au Collisions at $\sqrt{S_{NN}}$ = 200 GeV from STAR Brooke Haag for the STAR Collaboration



Pythia Simulation Plots



Summary and Conclusions

Investigated Multi-hadron triggers as a method of better approximating fragmentation functions

Multi-hadron triggers and Di-hadron correlations mostly give very similar results Also ratios of Single+Multi-hadron trigger yields to di-hadron yields show slopes not different, kinematics not very different

Multi-hadron triggers yield the same physics as di-hadron correlations with improved statistics

Method is promising, more work is needed

Pythia simulations to understand expectations for multi-hadron trigger yields Study yields for different jet cone radii