

Jet studies in 200 GeV d+Au collisions from the STAR experiment at RHIC

Full jet reconstruction in heavy-ion collisions is a promising tool for the quantitative study of properties of the dense medium produced in heavy-ion collisions at RHIC. Jet studies in d+Au collisions are important to disentangle initial state nuclear effects from medium-induced k_T broadening and jet quenching.

We present inclusive jet p_T spectra in d+Au collisions from the 2007-2008 RHIC run. We discuss correction for detector effects and underlying event background, including systematic uncertainties. These are dominated by the Jet Energy Scale, the uncertainty of which is decreased via improved detector response simulations.

Author: KAPITAN, Jan (Nuclear Physics Institute ASCR)

Presenter: KAPITAN, Jan (Nuclear Physics Institute ASCR)

Track Classification: Jets