Hard Probe 2016



Contribution ID: 106

Type: not specified

Jet and Leading Hadron Production in d+Au Collisions in the PHENIX Experiment

Saturday 24 September 2016 11:00 (20 minutes)

PHENIX has measured jet yields in p+p and d+Au collisions at 200 GeV [1]. In minimum bias collisions, the nuclear modification factor R_dAu is consistent with unity. However, in centrality selected events R_dAu exibits large pT-dependent deviations from unity, challenging conventional models that relate hard-process rates and soft-particle productin in nuclear collisions. Comparison of jet production and high pT pi0 production in small system can shed light on the surprising centrality dependence of jets. We will present the jet results and the latest status of the comparison with pi0 production.

Reference

[1] A. Adare et al., Physical Review Letters 116, 122301 (2016)

Summary

Presentation type

Oral

Author: SAKAGUCHI, Takao (BNL)
Presenter: SAKAGUCHI, Takao (BNL)

Session Classification: Parallel Session II: Hard Probes in p+p and p+A Collisoions (II)