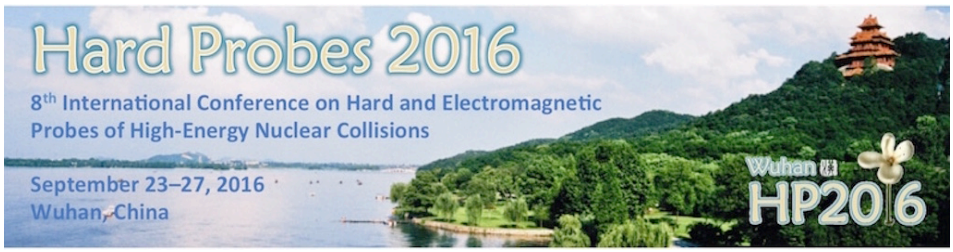

Contribution ID: **104** Type: **not specified**

Hard Probe Measurements in Cu+Au Collisions at PHENIX: Jets and Leading Particles

Saturday 24 September 2016 09:50 (20 minutes)

Cu+Au collisions provide a unique system to study hard probes. For example, the collision geometry at a fixed centrality is necessarily different from that of symmetric Cu+Cu and Au+Au collisions. A systematic study of the production of high-pT particles and jets in systems with different geometry may provide information about the path-length dependence of energy loss in the medium. The PHENIX experiment has measured the pT distributions and the nuclear modification factors, R_CuAu, of jets and leading particles, such as pi0, in Cu+Au collisions at 200 GeV. The jets are reconstructed with the anti-kt clustering algorithm with a distance parameter of R=0.2, chosen to minimize the contribution of the underlying event. The R_CuAu measurements will be presented as a function of pT and centrality and compared to theoretical calculations.

Summary

Presentation type

Oral

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