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## Status of Jet Reconstruction in Cu+Au collisions at 200 GeV from PHENIX

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Jet reconstruction in heavy ion collisions is a vital tool to explore medium effects, including energy loss and modification of parton fragmentation functions. In 2012, the PHENIX experiment collected a large sample of minimum bias Cu+Au collision data at  $\sqrt{s_{NN}} = 200$  GeV. Asymmetric heavy ion collisions offer unique geometrical configurations and studying reconstructed jets in such systems provides the opportunity to understand the interplay between collision geometry and initial and final state effects. Energy densities in Cu+Au collisions are similar to those in Au+Au collisions at 200 GeV but without the low-density 'corona' region. In the most central Cu+Au collisions, the smaller Cu nucleus is completely buried in the larger Au nucleus. The comparison of Cu+Au and Au+Au collisions as a function of centrality can help disentangle the 'core' of the collision region, characterized by a large energy density, and the outer 'corona' region.

We will present the status of jet reconstruction in Cu+Au and baseline p+p collisions at 200 GeV using the anti-kT algorithm with a resolution parameter of  $R = 0.2$ .

### On behalf of collaboration:

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