

Azimuthal Jet Flavor Tomography via CUJET with Running Coupling in 2+1D Viscous QGP Fluids

Monday, 4 November 2013 17:40 (20 minutes)

We present recent progress with the CUJET pQCD jet tomographic model, which couples running coupling dynamic DGLV opacity series with 2+1D viscous hydro (T, u^μ) fields. We test the consistency of this model with recent RHIC and LHC data on the azimuthal and transverse dependence of $R_{AA \rightarrow h}(p_T, \phi, \sqrt{s}, b)$, the nuclear modification of light and heavy open flavor fragments from quenched jets.

Keywords

Jet Flavor Tomography, Viscous Hydro, CUJET

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Session Classification: Heavy Flavor Production and Quarkonia

Track Classification: Heavy Flavor Production and Quarkonia