

Recent jet results in Heavy-Ion collisions at RHIC

Wednesday, 9 October 2019 18:00 (1 hour)

Jet in heavy-ion collisions is considered as a self-generated tomographic probe to study the Quark-Gluon Plasma (QGP) created at the Relativistic Heavy Ion Collider, in BNL. Jet is quenched in the QGP relative to that in a vacuum, and this produces very striking evidence of the QGP. Recently, different new jet measurements have been performed both in the STAR and PHENIX experiments. This includes semi-inclusive jet measurement on direct-photon and hadron trigger recoil jet at top RHIC energy in Au+Au collisions, the di-jet imbalance between hardcore jets, and jet shape analysis. A perspective for the forward jet measurement in a heavy-ion context for the STAR forward upgrade will also be discussed.

Abstract Type

Poster

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Session Classification: S5: Poster 分会场

Track Classification: S5 分会场: Poster