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Novel sub-jet observables for quenched jets

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At present jet quenching observations rely on samples that contain a mixture of quenched and unquenched jets. Modifications of the structure of jets due to quenching are explored by considering jet sub-structure in event generators: MC PYTHIA (vacuum jets) and Q-PYTHIA (in-medium modified jets). Subjet observables are defined in collinear and infrared safe algorithms and tested for experimental use in heavy-ion collisions.

On behalf of collaboration:

None

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