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Jet fragmentation in J/Psi mesons

The differential distributions of jet fragmentation probability as a function of jet energy for a fixed J/psi energy fraction z are compared to a theoretical model based on the fragmenting jet function (FJF) approach. The analysis is based on pp collisions at $\sqrt{s} = 8$ TeV, corresponding to an integrated luminosity of 19.1 fb^{-1} . These data distinguish clearly between different nonrelativistic quantum chromodynamics (NRQCD) long distance matrix element (LDME) parameter sets and also between different NRQCD terms.

Collaboration name

CMS

Primary author: CMS, Collaboration

Presenter: CMS, Collaboration

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