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Recent LHCb probes for b-quark hadronization studies

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The differences in hadron chemistry observed at e+e- machines versus hadron colliders may indicate that the mechanisms by which partons evolve into visible matter are not universal. In particular, the presence of many other quarks produced in the underlying event may affect the hadronization process. With full particle ID, precision vertexing, and a high rate DAQ, the LHCb detector is uniquely well suited to study the hadronization of heavy quarks. In this contribution, LHCb data on hadronization of heavy charm and bottom quarks, including the first results on the b baryon-to-meson production ratio versus charged particle multiplicity, will be presented

Category

Experiment

Collaboration

LHCb

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