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Hadronization Studies at LHCb

Tuesday 9 September 2025 15:00 (30 minutes)

LHCb is a detector designed to study the dynamics of particles produced at forward rapidities ($2 < \eta < 5$). This rapidity coverage is particularly well suited for investigating non-perturbative processes, such as the hadronization of light and heavy-flavored quarks. The latter is of special interest due to the distinct radiation patterns and hadronization timescales of heavy quarks compared to light quarks. In this talk, we will briefly review the experimental conditions at LHCb to provide context for the measurements, and then delve more deeply into key results in the study of non-perturbative QCD and soft interactions at LHCb.

Track

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