

Study of b-hadron properties with semileptonic b-hadron decays

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With large branching fractions and controllable theoretical uncertainties, semileptonic B decays are excellent tools for measuring B hadron properties as well as testing QCD calculations. The large samples of Bs mesons and b-baryons uniquely available at LHCb extend the experimental reach into this sector, allowing differential decay rates of these hadrons to be probed for the first time. The observation and study of $B \rightarrow p \bar{p} \mu \nu$ decays offer the opportunity to investigate hadronic meson-to-baryon-pair transitions. The most recent measurements of b-hadron properties using semileptonic b-hadron decays are presented.

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Secondary track (number)

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