

Measurements of b hadron lifetimes and effective lifetimes at LHCb

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Precision measurements of b-hadron lifetimes are a key goal of the LHCb experiment. In the B_s^0 sector, the measurement of the effective lifetimes for B_s^0 mesons decaying to CP-odd, CP-even and flavor specific final states are essential for constraining the B_s^0 mixing parameters, $\Delta\Gamma$ s, the average width Γ s and the CP-violating phase, φ_s . Measurements of b baryon lifetimes are also important to test theoretical models. We present the latest results from LHCb on these topics.

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