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Inclusive semileptonic Λ_b decays

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Inclusive semileptonic decays of beauty baryons are studied using the heavy quark expansion to order $1/m_b^3$ at leading order in α_s

The case of a polarized decaying baryon is examined, with reference to Λ_b .

The decays are studied in SM and in the extension based on the full set of $D=6$ semileptonic operators.

Primary author: LOPARCO, Francesco (Istituto Nazionale di Fisica Nucleare)

Presenter: LOPARCO, Francesco (Istituto Nazionale di Fisica Nucleare)

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