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Studies of the CKM matrix with semileptonic b-hadron decays at LHCb (10' + 5')

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Exclusive semileptonic b-hadron decays are under good theoretical control, which allows precise determinations of the CKM matrix elements, $|V_{ub}|$ and $|V_{cb}|$. The large production of Λ_b baryons and B_s mesons at the LHC allows LHCb to provide complementary information in this sector with respect to the B-factories. The latest measurements of these decays at LHCb will be presented, using the full Run 1 dataset.

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