

Study of CP violation with the LHCb at CERN

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The LHCb experiment at CERN's Large Hadron Collider is dedicated to heavy-flavour physics, focusing on the decays of beauty and charm hadrons, with CP violation measurements among its core objectives. Since its inception, LHCb has advanced the study of CP violation into a precision era, achieving precise determinations of CKM phases and reporting the first observations of CP violation in the B_s^0 , charm, and baryon sectors. In this talk, I will provide a brief overview of CP violation studies at LHCb.

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