



Contribution ID: 208

Type: **Parallel Session Talk**

Results and prospects for Charm Physics at LHCb

Friday, 23 July 2010 17:30 (13 minutes)

Precision measurements in charm physics offer a window into a unique sector of potential New Physics interactions. LHCb is poised to become a world leading experiment for charm studies, recording enormous statistics with a detector tailored for flavour physics. The conditions of the 2010-11 run of LHC are especially conducive to the collection of charm events, with a very large data set already attainable this year. First charm results will be shown using data collected at LHCb in pp collisions at 7 TeV center-of-mass energy. The prospects for measurements of CP violation, mixing, and rare decays of charm mesons at LHCb will also be presented.

Primary author: LHCb, speaker's bureau (Institute for Theoretical and Experimental Physics (ITEP))

Presenter: BELYAEV, Ivan (Institute for Theoretical and Experimental Physics (ITEP))

Session Classification: 06 - CP violation, CKM and Rare Decays

Track Classification: 06 - CP violation, CKM and Rare Decays