



ID de Contribution: 141

Type: **Ordinary**

CP violation in b-hadrons at LHCb

dimanche 13 mars 2016 09:35 (15 minutes)

Latest LHCb measurements of *CP* violation in the decays of b-hadrons are presented based on *pp* collision data collected in Run 1, corresponding to an integrated luminosity of 1 fb^{-1} at centre-of-mass energy 7 TeV and 2 fb^{-1} at 8 TeV.

New decays, $\Lambda_b \rightarrow \Lambda \pi^- K^+$ and $\Lambda_b \rightarrow \Lambda K^+ K^-$, are identified and the associated *CP* asymmetries are measured. The $\Lambda_b \rightarrow \Lambda \phi$ decay is observed for the first time and novel *T*-odd triple product asymmetries are measured.

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Classification de Session: Heavy Flavours

Classification de thématique: Experiment