



**HEP 2013  
Stockholm  
18-24 July 2013**



Contribution ID: 252

Type: **Talk presentation**

## **Studies of charm mixing and CP violation at LHCb**

*Thursday 18 July 2013 15:15 (15 minutes)*

LHCb has collected the world's largest sample of charmed hadrons. This sample is used to search for direct and indirect CP violation in charm, and to measure  $D^0$  mixing parameters. Preliminary measurements from several decay modes are presented, with complementary time-dependent and time-integrated analyses.

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**Session Classification:** Flavour Physics and fundamental symmetries

**Track Classification:** Flavour Physics and Fundamental Symmetries