

# 30th International Symposium on Lepton Photon Interactions at High Energies



Contribution ID: 222

Type: **Parallel session talk**

## CP violation and mixing in charm at LHCb

*Wednesday, January 12, 2022 11:40 AM (20 minutes)*

LHCb has collected the world's largest sample of charmed hadrons. This sample is used to 1) measure direct CP violation in D mesons and charmed baryons 2) measure  $D^0 - \bar{D}^0$  mixing and the first non-zero mass difference and to 3) search for CP violation in mixing and interference. New measurements from several decay modes are presented, as well as prospects for future sensitivities.

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**Session Classification:** Quark and charged lepton flavour

**Track Classification:** Flavour