Contribution ID: **398** Type: **Talk**

Charmed hadron properties and spectroscopy at LHCb

Thursday, 30 July 2020 09:30 (15 minutes)

In 2017 LHCb made the first observation of the doubly-charged, doubly-charmed baryon Xicc++. This has prompted significant experimental and theoretical work to predict and measure the properties of the new baryon, and search for other doubly-charmed baryons Xicc+ and Omegacc+. Here we present several searches for, and studies of, these new states. We also present several measurements using singly-charmed baryons, including searches for excited states and for CP violation.

I read the instructions

Secondary track (number)

06

Primary author: ZHOU, Yixiong (University of Chinese Academy of Sciences (CN))

Presenter: ZHOU, Yixiong (University of Chinese Academy of Sciences (CN))

Session Classification: Quark and Lepton Flavour Physics

Track Classification: 05. Quark and Lepton Flavour Physics