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Type: Talk

Tests of LFU and searches for LFV in heavy flavor decays at CMS

Wednesday 28 August 2024 16:20 (20 minutes)

In this presentation, an overview of the results recently obtained from the CMS experiment regarding the search for Lepton Flavor Violation (LFV) and Lepton Flavor Universality Violation (LFUV) in proton-proton collisions at a center of mass energy of 13 TeV is presented, with a focus on heavy flavor decays. These results include the search for the LFV in the charged sector through $\tau \rightarrow \mu\mu\mu$ decay and the test of LFU in the $B^\pm \rightarrow K^\pm \ell^+ \ell^-$ and $B_c^\pm \rightarrow J/\psi \ell^\pm \nu_\ell$ decays.

Internet talk

Maybe

Is this an abstract from experimental collaboration?

Yes

Name of experiment and experimental site

CMS Experiment (CERN)

Is the speaker for that presentation defined?

Yes

Details

Name: Marco Buonsante,

Title: PhD Student

Institution Name: Universita' e INFN, Bari (IT),

Country: Italy

Webpage of Institution: <https://www.uniba.it/it> <https://www.ba.infn.it/it/>

Primary author: BUONSANTE, Marco (Universita e INFN, Bari (IT))

Presenter: BUONSANTE, Marco (Universita e INFN, Bari (IT))

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