Contribution ID: 95 Type: Oral contribution

Updated determinations of |Vus| with tau decays using the HFLAV fit

Wednesday, September 29, 2021 9:45 AM (20 minutes)

We present updated determinations of |Vus| using tau decays that include a preliminary updated HFLAV global fit of the tau branching fractions, up-to-date lattice hadronic form factors and decay constants, and novel determinations published in 2019 of the electromagnetic and strong isospin-breaking corrections to the $\pi+\to\mu+\nu[\gamma]$ and $K+\to\mu+\nu[\gamma]$ leptonic decay rates obtained with lattice QCD+QED.

What is your topic?

CKM matrix and Flavour Mixing

Primary author: LUSIANI, Alberto (Scuola Normale Superiore and INFN, sezione di Pisa)

Presenter: LUSIANI, Alberto (Scuola Normale Superiore and INFN, sezione di Pisa)Session Classification: Session 3: Exclusive and inclusive hadronic tau decays

Track Classification: Tau2021 Abstracts