



Contribution ID: 656

Type: **Oral Presentation**

The Unitarity Triangle analysis beyond the Standard Model: updates from UTfit (15' + 5')

Friday, August 5, 2016 5:40 PM (20 minutes)

The Unitarity Triangle (UT) analysis can be used to constrain the parameter space in possible new physics (NP) scenarios. We present an update of the UT analysis beyond the SM by the UTfit collaboration. Assuming NP, all of the available experimental and theoretical information on $\Delta F=2$ processes is combined using a model-independent parametrisation. We determine the allowed NP contributions in the kaon, D, Bd, and Bs sectors and, in various NP scenarios, we translate them into bounds for the NP scale as a function of NP couplings.

Primary author: BONA, Marcella (Queen Mary University of London (UK))

Presenter: BONA, Marcella (Queen Mary University of London (UK))

Session Classification: Beyond the Standard Model

Track Classification: Beyond the Standard Model