

Contribution ID: 80

HEP 2013 Stockholm 18-24 July 2013



Type: Talk presentation

Identifying New Physics through correlations in quark flavour violating processes

Friday, 19 July 2013 12:15 (25 minutes)

I will review detailed analyses of flavour violation in a number of extensions of the Standard Model performed in 2012 and 2013. In addition to various model independent patterns of flavour violation originating in tree-level FCNCs mediated by Z', Z and heavy scalars I will present the results in a Minimal Theory for fermion masses. Particular emphasis will be put on correlations between various observables. In addition to Delta F=2 transitions most prominent rare B_d , B_s and K decays like $B_{s,d} \rightarrow \mu^+ \mu^-$, $B \rightarrow K(K*)\nu\bar{\nu}$ and $K \rightarrow pi\nu\bar{\nu}$ will be discussed.

Primary author: BURAS, Andrzej (TU-Munich)

Presenter: BURAS, Andrzej (TU-Munich)

Session Classification: Flavour Physics and fundamental symmetries

Track Classification: Flavour Physics and Fundamental Symmetries