



Contribution ID: 13

Type: **Planary Talk**

Explaining the LHC flavour anomalies

Tuesday 7 April 2015 14:30 (23 minutes)

By now the LHC found three deviations from the SM expectations in the flavour sector: $B \rightarrow K^* \mu \mu$, $B \rightarrow K \mu \mu / B \rightarrow K e e$ and $h \rightarrow \tau \mu$. I discuss a 2HDM with ganged $L_{\mu} - L_{\tau}$ and vector-like quarks which can explain these anomalies. Charging also the baryons under a new $U(1)'$ symmetry, the introduction of vector-like quarks can be avoided and interesting correlations with LHC searches arise.

Author: CRIVELLIN, Andreas (CERN)

Presenter: CRIVELLIN, Andreas (CERN)

Session Classification: Higgs