



Contribution ID: 114

Type: **Parallel Talk**

## New physics hopes considering flavour constraints

*Thursday 7 June 2012 15:30 (20 minutes)*

The potential for the discovery of flavour symmetric physics models at LHC is discussed. Considering flavour constraints on TeV scale new physics scenarios we motivate considering flavour symmetric extensions of the Standard Model,

A systematic flavour symmetric approach to present and future collider anomalies is presented. The anomalous top quark forward backward asymmetry is used as an example to illustrate the potential of such flavour symmetric theories to explain collider anomalies while being consistent with flavour constraints.

**<strong>E-mail Address</strong>**

michael.trott@cern.ch

**Primary author:** TROTT, Michael Robert (CERN)

**Presenter:** TROTT, Michael Robert (CERN)

**Session Classification:** 4C: (Parallel) B, Charm and Onia I

**Track Classification:** Heavy Flavour Physics