



Contribution ID: 581

Type: **Parallel Talk**

## Low-mass di-muon searches with the LHCb detector

*Friday, July 7, 2017 10:00 AM (15 minutes)*

A flexible trigger system, excellent vertex locator, invariant mass resolution and forward acceptance allow unique exotica measurements to be performed at LHC energies using data collected with the LHCb detector. A summary of results will be presented, focusing in searches involving low mass dimuon resonances, sensitive to a wide range of New Physics models.

### Experimental Collaboration

LHCb

**Primary author:** GERSABECK, Marco (University of Manchester (GB))

**Presenter:** LANGENBRUCH, Christoph Michael (Rheinisch-Westfaelische Tech. Hoch. (DE))

**Session Classification:** Higgs and new physics

**Track Classification:** Higgs and New Physics