



Contribution ID: 246

Type: **Oral Presentation**

## **Radiative $b$ -hadron decays at LHCb (10' + 5')**

*Saturday, 6 August 2016 17:10 (15 minutes)*

Radiative  $b$ -hadron decays are sensitive probes of New Physics through the study of branching fractions, CP asymmetries and measurements of the polarisation of the photon emitted in the decay. During the LHC Run 1, the LHCb experiment has collected large samples of radiative  $b$ -hadron decays. We present here the latest LHCb measurements, including new results on the time dependence of  $B_s \rightarrow \phi\gamma$  decays. These results help in constraining the size of right-handed currents in extensions of the Standard Model.

**Presenters:** SANCHEZ MAYORDOMO, Carlos (Valencia-IFIC); SANCHEZ MAYORDOMO, Carlos (Instituto de Fisica Corpuscular (ES))

**Session Classification:** Quark and Lepton Flavor Physics

**Track Classification:** Quark and Lepton Flavor Physics