Contribution ID: **82** Type: **not specified**

Search for New Physics with rare decays at LHCb

Thursday 7 June 2012 18:00 (20 minutes)

Rare lepton decays of the B(s), D and K mesons and lepton flavor violating decays are sensitive probes of New Physics (NP). In particular, the search for the decays B(s)->μ+μ- provides information on the presence of new (pseudo-)scalar particles, while the angular analysis of decays such as B->K*μ+μ- provides information on possible new vector-axial contributions. The isospin asymmetry of B->K()*μ+μ- events adds useful information on the structure of NP scenarios and other b->sμ+μ- transitions provide additional information. Similarly, exclusive radiative decays such as Bs->φγ provide valuable information of NP scenarios through the measurement of the photon polarization.

E-mail Address

olafs@physik.uzh.ch

Collaboration Name
Please enter the name of
the collaboration or group
using the acronym, as in:
ABC Collaboration

LHCb collaboration

Primary author: ADROVER PACHECO, Cosme (CPPM - Universite d'Aix - Marseille II (FR))

Presenter: ADROVER PACHECO, Cosme (CPPM - Universite d'Aix - Marseille II (FR))

Session Classification: 4D: (Parallel) B, Charm and Onia II