



# LHC Seminar

SPEAKER: **DETTORI, F. (CERN)**

TITLE: **Status and prospects for strange physics at LHCb**

DATE: Tue 08/11/2016 11:00

PLACE: 503-1-001 - Council Chamber

## ABSTRACT

Rare decays are fundamental probes of physics beyond the Standard Model. We present the current status of rare decays studies at the LHCb experiment and discuss a possible picture emerging from these measurements. The expanding LHCb program of strange physics, in particular of their rare decays, provides a unique and complementary probe to test the SM with respect to the beauty and charm. We present recent results on rare strange hadrons decays exploiting the LHCb Run I data. We then present prospects for strange physics with the LHCb Run II data and after the improvements in the trigger for the LHCb Upgrade.