



ID de Contribution: 69

Type: **Ordinary**

Rare B and strange decays

mercredi 22 mars 2017 09:25 (15 minutes)

In my talk I will discuss the latest LHCb results and implications from the rare B and strange decays.

Run1 of LHC has finished. The first results from Run 2 are announced every month. No definitive evidence has been found for New Physics at the TeV scale despite the compelling theoretical arguments. But the situation is far from dull - not all the anomalies have vanished with the additional data and there are several serious tensions in the B-decays that remain to be understood and should not be taken lightly.

I will focus on the tensions driven by the exclusive and inclusive $b \rightarrow sl^+l^-(\gamma)$ modes. I will address one of the possible scenarios where the tensions are treated as underestimated Standard Model resonance effects and present results from a new LHCb $B^+ \rightarrow K^+\mu^+\mu^-$ measurement including these resonance effects.

I will also show the very fresh Run 2 results from the fully leptonic B decays and discuss their implications on the (pseudo)scalar Wilson coefficients.

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Classification de Session: Heavy Flavours

Classification de thématique: Experiment