

## Recent developments on rare B-decays

*Thursday, 15 February 2018 11:00 (30 minutes)*

After a review of tensions in charged-current and rare B decays and their interpretation in beyond SM scenarios, we focus on some developments that aim to improve theoretical control. Progress on QED corrections to leptonic decays  $B_s \rightarrow \mu\mu$  and  $B_u \rightarrow \mu\nu$  has been made, that was required in view of the current accuracy providing in the future precision at the percent level to short-distance quantities. A novel approach to the hadronic charm contribution in rare  $b \rightarrow s \ell\ell$  decays builds on a combined analysis of  $b \rightarrow s \ell\ell$  and  $b \rightarrow s (c\bar{c}) \rightarrow \ell\ell$  decays to separate hadronic contributions from new physics signals.

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**Session Classification:** Talks