Contribution ID: **569** Type: **Talk**

First results on V_{ub} and V_{cb} with Belle II

Wednesday, 29 July 2020 16:00 (15 minutes)

Precision measurements of V_{ub} and V_{cb} play a central role in precision tests of the CKM sector of the Standard Model and complement direct measurements of CP violation of B meson decays. In this talk, we present first studies for measuring V_{ub} and V_{cb} with semileptonic decays using collision events recorded at the $\Upsilon(4S)$ resonance by the Belle II experiment. Belle II is located at the SuperKEKB accelerator complex near Tokyo in Japan, and started recording collision data in Spring 2019. We report the status of measuring branching fractions and kinematic properties of inclusive and exclusive $b \to c\ell\bar{\nu}_\ell$ and $b \to u\ell\bar{\nu}_\ell$ decays using untagged and tagged approaches and the full available Belle II data set.

I read the instructions

Secondary track (number)

Primary author: CHEAIB, Racha (University of British Columbia)

Presenter: CHEAIB, Racha (University of British Columbia)

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