

New results on semileptonic B decays and on the CKM magnitudes $|V_{ub}|$ and $|V_{cb}|$ from Belle

Friday, July 6, 2018 9:00 AM (20 minutes)

The magnitudes of the Cabibbo-Kobayashi-Maskawa (CKM) matrix elements $|V_{cb}|$ and $|V_{ub}|$, in combination with the angles of the Unitarity Triangle, are crucial for testing the quark flavour sector of the Standard Model. We report new results on $|V_{ub}|$ and $|V_{cb}|$ obtained from the Belle data set. This presentation will also cover new measurements of $B \rightarrow \pi \ell \nu$ and $B \rightarrow D^* \ell \nu$. The analyses are based on the full data set recorded by the Belle detector at the $\Upsilon(4S)$ resonance containing 772 million $B\bar{B}$ pairs from e^+e^- collisions produced by the KEKB collider.

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Session Classification: Quark and Lepton Flavor Physics