



ID de Contribution: 51

Type: **Ordinary**

Electroweak charm decays at BESIII

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The BESIII experiment at the Beijing Electron Positron Collider (BEPCII) accumulated the world's largest data sample of e^+e^- collisions at 3.773, 4.009, 4.18 and 4.6 GeV. Based on analyses of leponic and semileptonic decays of $D_{(s)}^+$ mesons, we measured CKM matrix elements $|V_{cs(d)}|$, the $D_{(s)}^+$ decay constants and the form factors of semi-leptonic D decays. These are important to calibrate the LQCD calculations of decay constant and form factors and to test the CKM unitarity. Using the quantum entangled production of $D^0\bar{D}^0$, we determined the strong phase difference and parameters of $D^0\bar{D}^0$ mixing.

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Classification de Session: Heavy Flavours

Classification de thématique: Experiment