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(Semi)-Leptonic $D_{(s)}$ decays at BESIII

Tuesday 23 April 2019 18:30 (15 minutes)

Leptonic and semi-leptonic D decays at BESIII contribute the most precise experimental measurement of $|V_{cs(d)}|$ and form factor $f_{D_{(s)}}$ in the world based on 2.93 fb^{-1} and 3.19 fb^{-1} data taken at center-of-mass energies $\sqrt{s} = 3.773$ and 4.180 GeV , respectively. The largest samples at the mass threshold of the charmed hadrons $D_{(s)}$ also provide chances to extract form factors of some semi-electronic decays for the first time and together with the semi-muonic decays we could understand lepton flavour universality better. This talk would introduce the recent results of leptonic and semi-leptonic $D_{(s)}$ decays at BESIII.

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