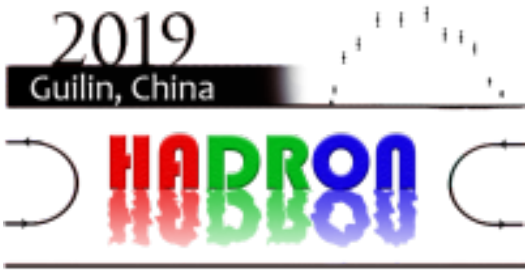

Contribution ID: **118** Type: **Parallel**

An novel approach in semileptonic decays and its application on helicity amplitudes

Saturday, 17 August 2019 17:30 (20 minutes)

First I will present an novel approach on semileptonic decays of meson with charm or beauty flavors. This novel approach was recently developed and we used a different method than in conventional approaches. Using only one experimental decay rate in the B or D sectors, the rates for the rest of decay modes are predicted and they are in good agreement with experiment.

Then an interesting application will be presented on the different helicity amplitudes. We extend the formalism to a general case, with the weak operator that can accommodate different models beyond the standard model. We find some interesting results and one magnitude sensitive and useful to test different models beyond the standard model.

Primary author: DAI, Lianrong (Liaoning Normal University)

Co-author: Prof. OSET, Eulogio (IFIC, University of Valencia)

Presenter: DAI, Lianrong (Liaoning Normal University)

Session Classification: Session 4: Hadron decays, production and interactions

Track Classification: Session 4: Hadron decays, production and interactions