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Type: **Parallel**

Study of scalar, vector, and axial-vector mesons in the semileptonic D decays at BESIII

BESIII has collected 20.3 and 7.33 fb^{-1} of e^+e^- collision data samples at 3.773 and 4.128-4.226 GeV, respectively. This provides a unique opportunity to investigate the non-perturbative nature of QCD in the charm sector.

In this presentation, we will discuss the recent progresses in amplitude analyses and branching fraction measurements of $D_{(s)} \rightarrow hhl^+\nu$ and $hhhl^+\nu$ processes. On the hadron spectrum, scalar (a_0 , f^0 , σ), vector (K^* , ϕ), axial vector (K_1 , b_1) particles are studied. The measurements of $D \rightarrow a^0(980)$, $D \rightarrow \sigma$, $D \rightarrow K^*$, $D_s \rightarrow f^0(980)$, and $D_s \rightarrow \phi$ form factors will be presented.

Secondary track

T07 - Flavour Physics and CP Violation

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Session Classification: T05

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