

Mini-workshop on $D^{(*)}$ τ ν and related topics

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Measuring backgrounds from $B \rightarrow D^{(*)} X l \nu$ decays

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Content :

Measurements of $B \rightarrow D^{(*)} \tau \nu$ where the τ decays leptonically are sensitive to our understanding of background from semileptonic B decays to a D or $D^{(*)}$ meson and one or more additional hadrons (X). Decays where X is a single π are relatively well measured, but only one measurement has been made where X is a $\pi^+ \pi^-$ system and no measurements have been made where X is $\pi \pi^0$, 3π , η or other higher-mass combinations. In this presentation I review the existing measurements in this area and discuss prospects for improving the experimental knowledge of these decay modes in future experiments.

Primary authors :

Co-authors :

Presenter : KOWALEWSKI, Robert ()

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