

Mini-workshop on $D(^*)$ tau nu and related topics

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Three ways of probing NP in $B \rightarrow D(^*)$ tau nu

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Content :

It has been long-standing that measurements of $B \rightarrow D(^*)$ tau nu deviate from SM predictions. There have been lots of studies for new physics which can accommodate the discrepancy. An important point is that how we can probe or confirm a true theory behind the deviation.

In this talk, based on my recent studies, I will show three ways of probing new physics that can explain the deviation in $B \rightarrow D(^*)$ tau nu with the use of; (i) q^2 distribution measurable at Belle2, (ii) other measurements of B decays that may indicate the presence of new physics, and (iii) direct measurements at LHC run2.

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