

CP Violation in $\bar{B} \rightarrow D^* \ell^- \bar{\nu}$

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At present, there are discrepancies with the predictions of the SM in $\bar{B} \rightarrow D^{(*)} \ell^- \bar{\nu}$ decays, suggesting the presence of new physics (NP) in $b \rightarrow c \tau^- \bar{\nu}$. Various NP models have been proposed to explain the data. In this talk, I discuss how the measurement of CP-violating observables in $\bar{B} \rightarrow D^* \ell^- \bar{\nu}$ can be used to differentiate the NP scenarios.

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