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New Physics in Hadronic Tau Decays

Wednesday 6 December 2023 11:10 (20 minutes)

This talk is based on the main results of the published article *JHEP* **04** (2022) 152. Model independent bounds on new physics are obtained using hadronic tau decays as observables. To do this, we determine the dependence of several inclusive and exclusive tau observables on the Wilson coefficients of the low-energy effective theory describing charged-current interactions between light quarks and leptons. These results are then combined with inputs from other low-energy precision observables. In particular, with nuclear beta, baryon, pion, and kaon decay data.

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