

## New physics in semi-leptonic tau decays

*Thursday, 8 June 2023 14:00 (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 semi-leptonic 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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