

## Radiative corrections to $\bar{l} \rightarrow \bar{l} \gamma$ and its consequences for tests of the SM and New Physics

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The calculation of radiative corrections (radcorr) in semileptonic decays requires a good description of photon-hadron interactions at all energies. We present a calculation of the radcorr to  $\tau^- \rightarrow P^- \nu_\tau$  decays ( $P$  a pseudoscalar meson) where photon-hadron form factors obeys the expected QCD constraints at very small and very large virtual photon momenta. The implications for tests of lepton flavor universality, CKM unitarity and new physics constraints are discussed.

### What is your topic?

Precision SM tests

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