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## Lepton Flavour Universality tests and determination of $V_{us}$ using the tau branching fractions fit

The results of the tau branching fraction fit performed by HFLAV (also reported in the PDG Review of Particle Physics) are used to update the Lepton Universality tests and to calculate  $V_{us}$  using tau measurements. The lepton universality tests that rely on the leptonic tau branching fractions are updated to the 2nd order QED radiative corrections, in preparation for future improved precision measurements by Belle II and FCC. Recent lattice QCD calculations are used to compute  $V_{us}$ .

### Secondary track

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