

Mu- \rightarrow e+gamma and Mu- \rightarrow 3e

Friday, 22 June 2012 09:00 (30 minutes)

The muon as a laboratory for studying charged lepton-flavour violation (cLFV) has proven to be one of the most sensitive areas in the probe to search for “New Physics”, due to the muon’s copious production rate and relatively long lifetime. The search at the intensity frontier with precision-type experiments is complementary to the search for new particles at the high-energy frontier of TeV colliders. Of the three “golden” muon channels: $\mu \rightarrow e\gamma$, $\mu \rightarrow 3e$ and $\mu \rightarrow e$ conversion, I will present an overview of the status of the coincidence experiments MEG and the recently initiated Mu3e experiment.

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