

## Latest results from MEG and status of MEG-II

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Within the Standard Model (SM), in spite of neutrino oscillations, the flavor of charged leptons is conserved in very good approximation, and therefore charged Lepton Flavor Violation (cLFV) is expected to be unobservable. On the other hand, most new physics models predict cLFV within the experimental reach, and processes like the  $\mu \rightarrow e \gamma$  decay became standard probes for physics beyond the SM. The MEG experiment, at the Paul Scherrer Institute (Switzerland), searches for the  $\mu \rightarrow e \gamma$  decay, down to a Branching Ratio of about  $5 \times 10^{-13}$ , exploiting the most intense continuous muon beam in the world and innovative detectors. In this talk I will present the latest results from MEG, and the status of its upgrade (MEG-II), aiming at an improvement of the sensitivity by one order of magnitude within this decade.

**Primary author:** Dr RENGA, Francesco (INFN Roma)

**Presenter:** Dr RENGA, Francesco (INFN Roma)

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