



ID de Contribution: 44

Type: Non spécifié

First results from the MEG experiment for the search of the Lepton Flavour Violating decay $\mu^+ \rightarrow e^+ \gamma$

mercredi 10 mars 2010 09:50 (15 minutes)

We are going to present the first results from the MEG experiment for the search of the Lepton Flavour Violating decay $\mu^+ \rightarrow e^+ \gamma$. LFV decays are forbidden in the SM and highly suppressed in any minimal SM extension with tiny neutrino masses. On the other hand, several SUSY, GUT and ED models beyond the SM predict the $\mu^+ \rightarrow e^+ \gamma$ rate at a level experimentally accessible. Hence, the MEG experiment will be able either to provide an incontrovertible evidence of physics beyond the SM or to significantly constrain the parameter space of SM extensions.

Auteur principal: Mme BARACCHINI, Elisabetta (University of California Irvine)

Orateur: Mme BARACCHINI, Elisabetta (University of California Irvine)

Classification de Session: Rare processes as probes of beyond the SM