

LABORATORI NAZIONALI DEL GRAN SASSO

SEMINAR ANNOUNCEMENT

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**“First results on Lepton
Flavour Violation from the
MEG experiment”**

Abstract

The MEG experiment is operating at Paul Scherrer Institut to search for $\mu \rightarrow e + \gamma$ decay, which is considered as one of the most sensitive probe of Physics beyond the Standard Model. I describe the concept and the performance of the detector, with particular emphasis on calibration techniques. A first limit on the branching ratio, based on Run 2008, is then presented with a projection of the sensitivity to be achieved with the data collected during Run 2009. I will finally discuss our agenda before the start of Run 2010 and future perspectives.

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