



Contribution ID: 115

Type: **oral presentation**

The MEG liquid xenon calorimeter

Friday, May 30, 2008 3:26 PM (15 minutes)

Summary

The MEG experiment at PSI, starting data taking this year, searches for the muon decay into one electron and one photon with a sensitivity to branching ratios around 10^{-13} , two orders of magnitude better with respect to the present best experimental limit. To reach this goal a new kind of large acceptance, large mass (roughly 2.2 Tons) calorimeter based on liquid xenon scintillation light was developed. The several calibration techniques developed to monitor the calorimeter behaviour during all the experiment data taking will be shown together with the experimental resolutions obtained.

Primary author: GALLUCCI, Giovanni (INFN Pisa)

Presenter: GALLUCCI, Giovanni (INFN Pisa)

Session Classification: Operating Calorimeters

Track Classification: Operating Calorimeters