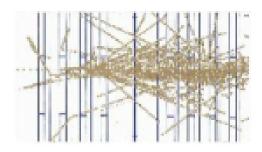
## **Calor 2008**



ID contributo: 115

Tipo: oral presentation

## The MEG liquid xenon calorimeter

venerdì 30 maggio 2008 15:26 (15 minuti)

## 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 order of magnitudes 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.

Autore principale: GALLUCCI, Giovanni (INFN Pisa)

Relatore: GALLUCCI, Giovanni (INFN Pisa)

Classifica Sessioni: Operating Calorimeters

Classificazione della track: Operating Calorimeters