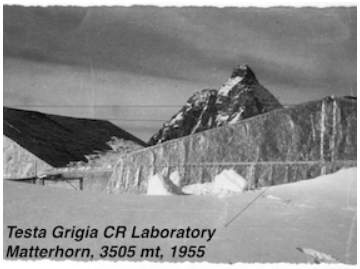

ID contributo: **14** Tipo: **oral**

Measurement of specific number of muon-induced neutron using Large Volume Detector

martedì 6 settembre 2016 14:30 (15 minuti)

The LVD detects the cosmic ray muons at mean energy of 280 GeV and muon-induced neutrons. The result of analysis of seasonal modulations of muon-induced neutrons is presented. Based on the data from three towers during 16 years the parameters of neutron variations are defined. Sources of muon-induced neutron seasonal variations are both the change of muon flux intensity and the change in muon energy. The measurement of the specific number of muon-induced neutrons during summer and winter allows to determine the muon energy variation.

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Classifica Sessioni: Parallel