



UNIVERSITÀ DEGLI STUDI
DI PERUGIA

AVVISO DI SEMINARIO

nell' ambito del ciclo: *"La Ricerca nel Dipartimento
presentata dai Giovani Ricercatori"* – A.A. 2014/2015.

Mercoledì 25 Marzo 2015 - ore 15:00
aula "A" - I° piano edificio di Via Pascoli

Dr. Filippo Ambroglini

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"Space & Earth: characterization of the low energy radiation in space"

Abstract:

The radiation environment in space is a fundamental issue to cope with if we really want to have long term missions in deep space; at the same time a deep knowledge of the low energy radiation trapped in the magnetosphere could also offer a different perspective in the understanding of what happens on the Earth.

During this seminar I will present the ongoing activities in the development of a set of dedicated analysis tools for the estimation of the dose absorbed by astronauts within the SR2S (Space Radiation Superconducting Shielding) project, focusing the attention on the obtained results and on the future perspectives.

The same tools are at the basis of the design for a new experiment, LIMADOU, that will be installed on the CSES (Chinese Seismic Earthquake Satellite) mission planned for launch in early 2016. This instrument will study the radiation of the inner Van Allen belt and its correlation with preparatory mechanisms of earthquakes. Details on the detector construction – currently ongoing in Perugia – will be given.

Tutti quanti gli interessati sono cordialmente invitati a partecipare.

Il Coordinatore del Ciclo di seminari

Prof. Lucio Cerrito

N.B.: per aggiornamenti sulla serie, vedi: Tutti i Seminari del Dipartimento
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