

GRAN SASSO SUMMER INSTITUTE 2014 HANDS-ON EXPERIMENTAL UNDERGROUND PHYSICS AT LNGS

22 SEPTEMBER - 03 OCTOBER 2014

LABORATORI NAZIONALI DEL GRAN SASSO, ASSERGI, ITALY

The aim of the Institute is to get PhD students directly involved into the research projects of LNGS, the world-leading laboratory for underground astroparticle physics and nuclear astrophysics

A series of lectures will provide the background needed for the proposed activities. Students will report their results at the end of the Institute.

HANDS-ON ACTIVITIES WILL FOCUS ON THE FOLLOWING TOPICS:

- *Dark matter* - CRESST, DAMA, DARK SIDE, XENON
- *Neutrinoless double beta decay* - CUORE, GERDA, LUCIFER
- *Neutrino oscillations* - BOREXINO, ICARUS, OPERA
- *Nuclear astrophysics* - LUNA
- *Low radioactivity measurements* - STELLA
- *Geodesy and general relativity* - GINGER

APPLICATION
AND ADDITIONAL
INFORMATION AT

<http://summerinstitute.lngs.infn.it>

LOCAL ORGANIZING COMMITTEE

M. Antonello, S. Davini, A. D. Ferella, P. Gorla, A. Ianni (Chair),
M. Junker, C. Macolino (Scientific Secretary), M. Mannarelli, L. Pilo, S. Ragazzi
SECRETARIAT F. Chiarizia summer2014@lngs.infn.it

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