



The Abdus Salam International Centre for Theoretical Physics (ICTP), in collaboration with the Italian Institute for Nuclear Physics (INFN), will hold the

Looking at the Neutrino Sky NUSKY 2011

Workshop on Cosmic Rays and Cosmic Neutrinos

20 - 24 June 2011

Miramare, Trieste, Italy

The goal of the Workshop is in-depth discussions of all substantial aspects of the production, propagation and detection of the high energy cosmic neutrinos. That includes analysis of the latest experimental results, models of neutrino sources and predictions of the neutrino fluxes. New ideas on cosmic neutrino detection and long term perspectives of the field will be considered.

TOPICS:

- Recent results on cosmic rays
- Sources of cosmic rays and cosmic neutrinos
- Gamma rays; neutrino-gamma connections
- Experimental searches for neutrino sources and fluxes
- Galactic and extragalactic sources of neutrinos
- Cosmogenic neutrinos
- Propagation and flavor transitions of cosmic neutrinos
- Cosmic neutrinos and new physics
- New experiments and projects

PARTICIPATION:

Scientists and students from all countries which are members of the United Nations, UNESCO or IAEA may attend the workshop. As a rule, travel and subsistence expenses of the participants should be borne by the home institution. Every effort should be made by candidates to secure support for their fare (or at least half-fare). However, limited funds are available for some participants who are nationals of, and working in, a developing country, and who are not more than 45 years old. Such support is available only for those who attend the entire activity. There is no registration fee to be paid.

The **Application Form** can be accessed at the activity website: <http://agenda.ictp.it/smr.php?2246> (which will be constantly up-dated).

NUSKY 2011 - Workshop "Looking at the Neutrino Sky"
(smr 2246 - c/o Ms. Rosanna Sain - Activity Secretary)
the Abdus Salam International Centre for Theoretical Physics
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Activity Web page: <http://users.ictp.it/~smr2246/index.html>

ICTP Home Page: <http://www.ictp.it/>

Organizing Committee:

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Subir SARKAR

(University of Oxford)

Thomas J. WEILER

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Scientific Secretary:

Daniel HERNANDEZ

(ICTP)

DEADLINE
for requesting participation

30 March 2011