

SCHOOL ON NEUTRINO PHYSICS and ASTROPHYSICS

23 SEPTEMBER - 4 OCTOBER 2002

Abdus Salam ICTP, Miramare, Trieste, Italy

The goal of the School is to display in a systematic and coherent way the main achievements in the Neutrino physics, and discuss problems and perspectives in the field.

TOPICS:

- PROPAGATION OF MIXED NEUTRINOS
- SOLAR NEUTRINOS: PRESENT AND FUTURE
- SUPERNOVAE AND SUPERNOVA NEUTRINOS
- PHYSICS OF ATMOSPHERIC NEUTRINOS
- LONG BASELINE EXPERIMENTS, CP VIOLATION
- HIGH ENERGY NEUTRINOS AND COSMIC RAYS
- NEUTRINOS AND COSMOLOGY
- THEORETICAL ASPECTS OF THE NEUTRINO MASS AND MIXING
- LEPTON NUMBER VIOLATION AND THE ABSOLUTE MASS SCALE

LECTURERS:

E. Akhmedov (<i>IST, Lisbon</i>)	T. Janka (<i>MPI, Garching</i>)
J. Bahcall (<i>IAS, Princeton</i>) ^(*)	B. Kayser (<i>Fermilab</i>)
G. Fuller (<i>UC, San Diego</i>)	P. Lipari (<i>INFN, Rome</i>)
S. Geer (<i>Fermilab</i>)	E. Lisi (<i>INFN, Bari</i>)
F. Halzen (<i>Univ. Wisconsin, Madison</i>)	R. Mohapatra (<i>Univ. Maryland</i>)
S. Hannestad (<i>Nordita, Copenhagen</i>)	T. Yanagida (<i>Tokyo Univ.</i>)

^(*) (to be confirmed)

Scientists and students from all countries that are members of the UN, UNESCO or IAEA may attend the School. As it will be conducted in English, participants should have an adequate working knowledge of this language. Although the main purpose of the Centre is to help researchers from developing countries through a programme of training activities within a framework of international co-operation, scientists from developed countries are also strongly encouraged to apply.

Every effort should be made by candidates to secure financial support, especially for their fare (or at least half-fare) from their home country. Limited funds are available for some applicants from developing countries, to be selected by the organizers. Such financial support is intended only for those who are not more than 45 years' old and who agree to attend the entire activity. There is no registration fee for attending the School.

Those wishing to participate should complete and return the "Request for Participation" form (obtainable via e-mail: smr1427@ictp.trieste.it by typing on the subject line **get announcement**, or via the WWW server which will be constantly updated: <http://agenda.ictp.trieste.it/smr.php?1427>), **before 31 MAY 2002**, to:

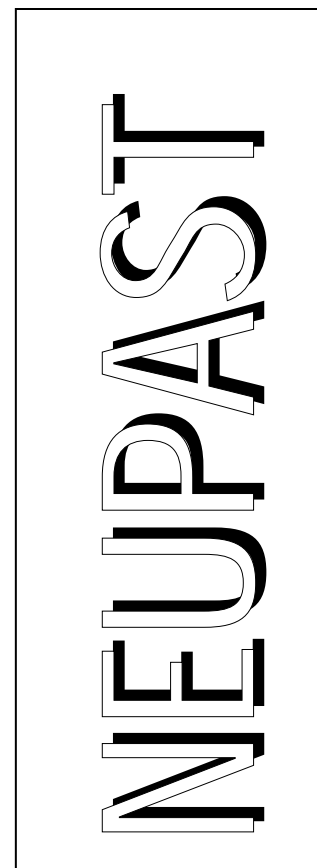
School on Neutrino Physics and Astrophysics (smr 1427)
c/o Ms. Patrizia Passarella
the Abdus Salam International Centre for Theoretical Physics
Strada Costiera 11, 34014 Trieste, Italy

If sending an application by e-mail, please save and send file attachments in RTF format.

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CO-SPONSORS

European Science Foundation
Network "Neutrino Astrophysics"
<http://www.esf.org>

Italian Institute for Nuclear Physics
(INFN)

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APPLICATION DEADLINE

31 MAY 2002