



The Abdus Salam
International Centre for Theoretical Physics


United Nations
Educational, Scientific
and Cultural Organization


International Atomic
Energy Agency

QCD at Cosmic Energies - III

The Highest Energy Cosmic Rays and QCD

28 May – 1 June 2007

Miramare, Trieste, Italy

The aim of the Workshop, which follows two previous ones held in Erice in 2004 and in Skopelos in 2005, is to discuss issues of common interest for the highest energy cosmic ray physics (in particular, near the GZK cutoff) and forward physics at LHC, related to the expected emergence of a new high gluon density regime of strong interactions at these energies.

The QCD understanding of this new regime has implications for modeling cosmic showers. Furthermore, cosmic ray experiments may provide important insights into dynamics of strong interactions beyond the energy range of LHC.

The Workshop will bring together experts in high energy QCD and cosmic ray physics in view of expanding the mutually beneficial interface between experiments planning to explore forward physics at LHC and highest energy cosmic ray experiments.

The list of invited speakers and the programme will appear in the Second Announcement, which will be available on the Workshop Web page: http://cdsagenda5.ictp.trieste.it/full_display.php?smr=0&ida=a06197.

PARTICIPATION

Scientists and students from all countries which are members of the United Nations, UNESCO or IAEA may attend the Workshop. As it will be conducted in English, participants should have an adequate working knowledge of this language.

Travel and subsistence expenses of the participants will have to be covered by their home institutions. However, very limited funds are available to cover only local expenses for some participants, who are nationals of, and working in, a developing country, and who are not more than 45 years old. Regrettably, there are no travel grants available for this activity. There is no registration fee.

The **Application Form** is obtainable from the ICTP WWW server: http://cdsagenda5.ictp.trieste.it/full_display.php?smr=0&ida=a06197 (which will be constantly up-dated) or from the activity Secretariat. It should be completed and returned before **1 February 2007** to:

Workshop on QCD at Cosmic Energies - III

(smr 1842)

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DEADLINE

for requesting participation

1 February 2007