

INSTITUT D'ÉTUDES SCIENTIFIQUES DE CARGESE

ESF School in High Energy Physics and Astrophysics

June 4 - 16, 2012

Gauge theory and String Theory

organized by :

L. Baulieu (Pierre et Marie Curie Univ.), **K. Benakli** (Pierre et Marie Curie Univ.),
J. de Boer (Amsterdam Univ.), **M. Douglas** (Stony Brook),
E. Rabinovici (Hebrew Univ.), **P. Vanhove** (IPhT Saclay and IHÉS)



This school is supported by the research programme of the Foundation for Fundamental Research on Matter (FOM), which is part of the Netherlands Organisation for Scientific Research (NWO), the CERN, and by the Formation Permanente of CNRS.



This school belongs to a set of a series of Summer Schools in High Energy Physics and Astrophysics. It is supported by CERN. It will consist of introductory and advanced lectures as well as seminars by participants on the following topics:

Lectures Topics: *Amplitude computations, Supersymmetric Gauge Theories, Integrability, Supergravity, Cosmology*

Lecturers will include:

N. Arkani-Hamed (IAS), **T. Banks** (UCSC), **Z. Bern** (UCLA), **E. Bergshoeff** (Groningen),
H. Elvang (Michigan), **M. Gaberdiel** (ETH), **S. Grushevsky** (Stony Brook),
A. Hanany (Imperial College), **Z. Komargodski** (IAS and Weizmann Institute), **R. Janik** (Cracow U.),
S. Minwalla (TIFR), **K. Schalm** (Leiden), **A. Strominger** (Harvard), **S. Vandoren** (Utrecht)

Location:

The ESFSI will be held at the Institut d'Études Scientifiques de Cargèse. Cargèse is a pleasant village of considerable charm and historic interest located 50 km north of Ajaccio, on the west coast of Corsica (France). The Institute is located 2 kms south of the village.

Applications:

The school will be open by invitation only to approximately 65 participants, not including lecturers. Applications should be made before **March 15, 2012** through the web form accessible from the web page of the conference. Junior applicants should arrange for a letter of recommendation to be sent by e-mail at cargese@lpthe.jussieu.fr before the above deadline. Participants are expected to cover their own travel. The cost of the school, including half board and registration fees, will be 800 Euros (see the registration web-form for more details and the different options). Some funding will be available upon specific request.

Organization:

Practical information can be found on the web page of the conference <http://www.lpthe.jussieu.fr/cargese>