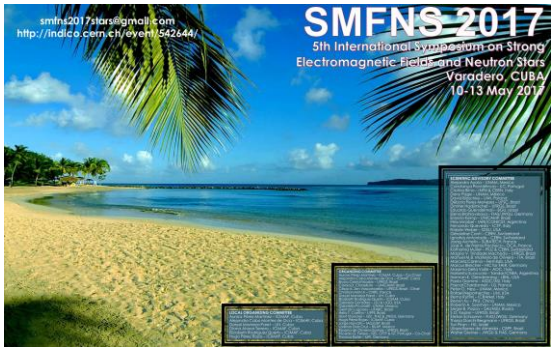


SECOND **CIRCULAR**
Havana, 1 January, 2017

Dear Colleague

The 4th Caribbean Symposium on Cosmology, Gravitation, Nuclear and Astroparticle Physics – STARS 2017 will be held on Havana, Cuba, from 7 to 9 of May 2017, and the 5th International Symposium on Strong Electromagnetic Fields and Neutron Stars – SMFNS 2017 will be held in Varadero, Cuba from 10 to 13 of May.

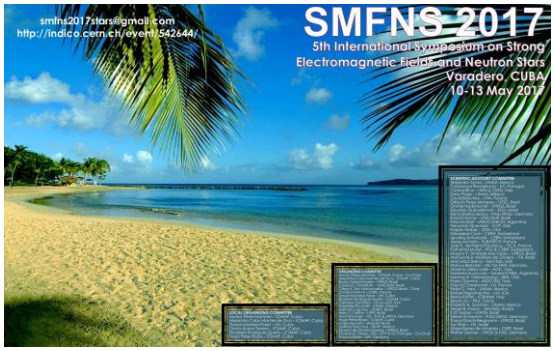
STARS2017 will take place in the Comodoro Hotel, which is situated in front of the sea in the west of the city of Havana in Cuba. SMFNS2017 will take place in the Naviti Beach Club Varadero Hotel, former Allegro Varadero Hotel, which is located in the kilometer 11 of Varadero beach at the Hicacos Peninsula.

The events are the fourth and fifth in a series of meetings gathering scientists working on astroparticle physics, cosmology, gravitation, nuclear physics, and related fields. As in previous years, the meeting sessions will consist of invited and contributed talks and will cover recent developments in the following topics:

STARS2017 – New phenomena and new states of matter in the Universe, general relativity, gravitation, cosmology, heavy ion collisions and the formation of the quark-gluon plasma, white dwarfs, neutron stars and pulsars, black holes, gamma-ray emission in the Universe, high energy cosmic rays, gravitational waves, dark energy and dark matter, strange matter and strange stars, antimatter in the Universe, and topics related to these.

SMFNS2017 – Strong magnetic fields in the Universe, strong magnetic fields in compact stars and in galaxies, ultra-strong magnetic fields in neutron star mergers, quark stars and magnetars, strong magnetic fields and the cosmic microwave background, and topics related to these.

The Scientific Program of STARS 2017 and SMFNS 2017 will contemplate sessions devoted to the laboratories, observatories, telescopes and other experimental and observational facilities, present and future, that will define the future directions of astrophysics, astronomy, cosmology, nuclear and astroparticle physics as well as the future of physics at the energy frontiers, namely: **EXPERIMENTS:** BaBar Experiment; DUNE - Deep Underground Neutrino Experiment; GEO600 - GEO600 Gravitational Wave Detector. **GRAVITATIONAL WAVE OBSERVATORIES AND DETECTORS:** LIGO - The Laser Interferometer Gravitational-Wave Observatory; LISA - Gravitational-Wave Observatory;



NA61/SHINE/CERN Detector; VIRGO - Virgo Detector for Gravitational Waves. **LABORATORIES:** FERMILAB – Fermi National Accelerator Laboratory. **PARTICLE ACCELERATORS:** FAIR - Facility for Antiproton and Ion Research; LHC – The Large Hadron Collider; NICA - Nuclotron-Ion Collider Accelerator. **OBSERVATORIES, EXPLORERS AND TELESCOPES:** 4MOST - 4-metre Multi-Object Spectroscopic Telescope; Atacama Large Millimeter/Submillimeter Array; CHANDRA X-Ray Observatory; CTA - Cherenkov Telescope Array; E-ELT – ESO - European Extremely Large Telescope/European Southern Observatory; VLT – ESO – Very Large Telescope/European Southern Observatory; Fermi Gamma Ray Space Telescope; Giant Magellan Telescope; Gran Telescope Canarias; HESS - High Energy Stereoscopic System; Hubble Space Telescope; James Webb Space Telescope; Kepler Mission; Large Binocular Telescope Observatory; MAGIC - Major Atmospheric Gamma Imaging Cherenkov; NICER - Neutron Star Interior Composition Explorer; Pierre Auger Observatory; SKA – The Square Kilometer Array; Spitzer Space Telescope; Thirty Meter Telescope; VERITAS - Very Energetic Radiation Imaging Telescope Array System; WM Keck Observatory. **SCIENTIFIC ORGANIZATIONS**: CERN - European Organization for Nuclear Research; DESY - Deutsches Elektronen-Synchrotron; FIAS - Frankfurt Institute for Advanced Studies; GSI - Helmholtz Centre for Heavy Ion Research; ICRANet – International Center for Relativistic Astrophysics Network; ISA - Italian Spatial Agency; JINR - Joint Institute for Nuclear Research; JINA-CEE - Joint Institute for Nuclear Astrophysics - Center for the Evolution of the Elements; NASA - National Aeronautics and Space Administration; NAVI - Nuclear Astrophysics Virtual Institute; RIKEN Research Institution; IceCube Neutrino Observatory; HAWK, XMM-Newton. If you have any suggestion about this part of the scientific program or any addition of a scientific facility to this list, please let us know.

We kindly ask you to help us to disseminate the information about the realization of these events among your colleagues as well as among the researchers involved in the above-mentioned experiments, institutions, laboratories, observatories, detectors, accelerators, institutions and other scientific facilities.

We would be much honored to have your participation in the events STARS 2017 and SMFNS 2017. For more information about the events (Overview, Conference Venues, Timetable, Registration, Participant List, Travel Information, Accommodation, Latest News), please visit our website: https://indico.cern.ch/event/542644/

Best Regards
The Organizing Committee
STARS 2017 / SMFNS 2017