



STARS2015

Third Caribbean Symposium on Cosmology, Gravitation, Nuclear and Astroparticle Physics - 10 - 13 May 2015, Havana, Cuba

SMFNS2015

Fourth International Symposium on Strong Electromagnetic Fields and Neutron Stars - 13 - 16 May 2015, Varadero, Cuba

First Circular to the Registered Participants

Havana, 13 February 2015

Dear Colleague, this circular refers to the events:

- *Third Caribbean Symposium on Cosmology, Gravitation, Nuclear and Astroparticle Physics* (3rd STARS2015), 10th-13th of May 2015, to be held in [Hotel Capri](#), Havana, Cuba;
- *Fourth International Symposium on Strong Electromagnetic Fields and Neutron Stars* (4th SMFNS2015), 13th - 16th of May 2015, to be held in the [Hotel Meliá Marina Varadero](#), Varadero, Cuba.

Topics: **STARS2015** – *new phenomena and new states of matter in the Universe, general relativity, gravitation, cosmology, heavy ion collisions and the formation of the plasma of quarks and gluons, 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.* **SMFNS2015** – *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.*

Please notice that:

- **The celebration** of the 100th anniversary of Albert Einstein's theory of general relativity is being organized by **Dr. ROBERTO A. SUSSMAN** (sussman@nucleares.unam.mx) and **Dr. THOMAS BOLLER** (bol@mpe.mpg.de).
- **The special sessions** devoted to the experimental and observational facilities that will define the future directions of astrophysics, astronomy, cosmology, nuclear and astroparticle physics as well as the future of physics at the energy frontier, is being organized by **Dr. CAROLA DOBRIGKEIT CHINELLATO** (carola@ifi.unicamp.br).
- **Dr. RODRIGO NEGREIROS** (negreiros@if.uff.br) in celebration of the 100 years of the theory of General Relativity will provide an introductory course on the basic principles of the theory of general relativity. This course is aimed at last year under-graduate students as well as graduate students. He will cover the basic concepts of the theory of general relativity from the postulates of the theory of special relativity to the formulation of the field equations of the general theory. The most famous solutions (namely the Schwarzschild solution) will be discussed as well as a few advanced solutions such as the Kerr solution. Finally he will cover a few classical tests of the theory of GR. Particular attention will be given to the problem of the Mercury orbit.
- **The proceedings** of STARS2015 and SMFNS2015 will be published in ASTRONOMISCHE NACHRICHTEN (AN): <http://www.aip.de/AN/>. As suggested by the Editor of AN, we intend to publish the proceedings of STARS2015 and SMFNS2015 in the year 2015, commemorating this way the centenary year of General Relativity. The deadline for receipt of contributions to the proceedings is the **3rd of August 2015**. The number of pages for each contribution is 6 pages. In the link of AN page ([http://onlinelibrary.wiley.com/journal/10.1002/\(ISSN\)1521-3994/homepage/authors.html](http://onlinelibrary.wiley.com/journal/10.1002/(ISSN)1521-3994/homepage/authors.html)), authors can access the instructions for preparation of their contributions.
- **For those who have not made their hotel reservations** we ask them please to do that as soon as possible. For hotel reservation: please contact **Mr. Liuver Ramírez Laurencio**, Departamento Turismo Especializado, Agencia de Viajes Gaviota Tours S.A. Phone: (53)(7) 207-9483, 207-9466. Fax: (53)(7) 204-4111. E mail: comercial4.te@gaviotatours.cu. We also remember to the participants that all visitors to Cuba need a VISA which can be obtained in any travel agency in your country.
- **We also remember to all who that have not yet sent their abstracts** for the conferences in Cuba that they can access the web page of the events for insertion of their abstracts. We are already preparing a conference abstract book for the meetings in Cuba. And the contributions of all participants are very important. The deadline for receipt of the abstracts is: 15 March 2015.
- **Moreover, we remember that in view of our funding limitations**, we strongly recommend that participants request financial support from their research institutions or any other agency for promotion of research. Moreover, a registration fee is required for all participants. The registration fee, to be charged as a single fee for both events, in the reception counter of the conferences, in cash, is **320 Euros**. The registration fee will cover local transportation, lunches and coffee breaks during the meeting sessions for the participants. The payment of the fee will additionally allow the payment of the expenses of the proceedings and entitle each participant to receive the book of abstracts and other promotional materials.
- **For more information, please enter in our webpage:** <http://indico.cern.ch/event/stars2015>.

We cordially invite you to attend and contribute to the meetings. Best regards and please do not hesitate to contact us via the official e-mail stars2015smfns@gmail.com.

AURORA PÉREZ MARTÍNEZ (Co-Chair)
HUGO PÉREZ ROJAS (Co-Chair)
RICARDO GONZÁLEZ FELIPE (Co-Chair)
CÉSAR ZEN VASCONCELLOS (Chair)

On behalf of the STARS2015/SMFNS2015 Organizing Committee