

## **II Russian-Spanish Congress**

**Particle and Nuclear Physics at all scales, Astroparticle Physics and Cosmology**

Saint Petersburg , Russia,

**October 1 -4, 2013**

Dear Colleague,

we remind that the joint meeting among leading Russian and Spanish Scientists on the above fields will take place in Saint-Petersburg October 1th-4th. The arrival day is 30.September and the departure day is 5.October morning.

Organizer: Faculty of Physics, Saint Petersburg State University.

The detailed information on the Congress can be found in the web page

<http://hep.phys.spbu.ru/conf/esp-rus2013/>

The purpose of the meeting is to strengthen the already existing collaborations and initiate new ones. Attendance is limited to Russian and Spanish physicists in their respective countries or elsewhere, and is by invitation only.

Contingent on the available funds, we expect to be able to provide University accommodation to Spanish and Russian Young Scientists.

Deadline for applications: August 1st 2013. but in order to get the visa support we recommend to apply earlier.

There is no conference fee.

### **Scientific and Program Committee**

**L. Alvarez-Gaume** (CERN)  
**A. Andrianov** (Saint Petersburg State University)  
**I. Aref'eva** (Steklov Mathematical Institute, RAS)  
**M.Asorey** (Universidad de Zaragoza)  
**J. Bernabeu** (Universitat de Valencia and IFIC)  
**M. Braun** (Saint Peterburg State University)  
**D. Espriu** (Universitat de Barcelona)  
**M.J. García Borge** (CSIC, Madrid; CERN)  
**J. Gomis** (Universitat de Barcelona)  
**K. Gridnev** (Saint Petersburg State University)  
**D. Kazakov** (BLTP, Joint Institute for Nuclear Research, Dubna)  
**L. Lipatov** (Petersburg Institute of Nuclear Physics, RAS)  
**C. Pajares** (Universidade de Santiago de Compostela)  
**O. Pujolas** (Universitat Autònoma de Barcelona)  
**V. Rubakov** (Institute of Nuclear Research, RAS)

**A. Slavnov** (Steklov Mathematical Institute, RAS)  
**A. Starobinsky** (Landau Institute of Theoretical Physics, RAS)  
**X. Viñas** (Universitat de Barcelona)

### **Local Organizing Committee**

**A. Andrianov** (chairman, [andrianov@icc.ub.edu](mailto:andrianov@icc.ub.edu))  
**D. Espriu** (co-chairman, [espriu@icc.ub.edu](mailto:espriu@icc.ub.edu))  
**V. Andrianov** (co-chairman, [v.andriano@rambler.ru](mailto:v.andriano@rambler.ru))  
**Sergei Afonin** (scientific secretary, [afonin24@mail.ru](mailto:afonin24@mail.ru))  
**A. Nazarov** (technical and web support, [anton.nazarov@hep.phys.spbu.ru](mailto:anton.nazarov@hep.phys.spbu.ru))  
M. Ioffe,  
I. Zemlyanskaya (Monomax)  
S. Torilov  
A. Tarasov  
O. Novikov  
S. Kolevatov

**All the correspondence concerning the Congress should be addressed to the (co)chairmen and to the scientific secretary of the Workshop by e-mail (personal addresses see above and the Congress E-mail is [esp-rus2013@hep.phys.spbu.ru](mailto:esp-rus2013@hep.phys.spbu.ru)) and/or fax: +7(812)4287240**

### **Scientific program**

The following topics will be within the scope of the Congress:

- Strong interactions of hadrons at high energies accessible on Large Hadron Collider
- Relativistic Heavy Ion Physics on LHC and RHIC and predictions of new phases in hot and dense nuclear matter
- Low and intermediate energy hadron physics: effective Lagrangians and realizations of CP breaking
- AdS/CFT and AdS/QCD correspondence in Quantum Field and String Theory and Holographic models of Strong Interactions
- Search for Physics beyond the Standard Model at ultra-high energies both on colliders and on space located installations
- Modern Cosmology, Dark Energy and theoretical implications on Extra Space dimensions and deviations from Newton dynamics
- Dark Matter in the Universe and Axion manifestation
- Integrability in Quantum Mechanics and Quantum Field Theory
- Nuclear physics of neutron rich nuclei
- Quantum Information and Entanglement, Complex systems and self-organization

The congress will include plenary and two parallel afternoon sessions. The plenary sessions will consist of invited lectures. The afternoon sessions will include original talks. The lectures and talks will be selected by the program committee and take 40, 30 or 20 minutes under negotiations with the speakers.

The working language at the Workshop will be English.

## Contributions and Proceedings

Talks will be selected by the Organizing Committee on the basis of abstracts to be submitted before August 1th, 2013.

The Congress On-line Proceedings will be compiled from the pdf or ppt talk presentations to be available on the Congress web site.

## Accommodation

The Organizing Committee expects to get a limited fund to partially reimburse the accommodation expenses. Those participants who need support should send their applications to the Organizing Committee.

[The Ambassador Hotel](#) is located in the historical centre of St. Petersburg, a 7-minute walk from Sadovaya Metro Station. Free wireless internet is available throughout the hotel.

**Prospekt Rimskogo-Korsakova 5-7, Admiralteyskiy district, 190068 Saint Petersburg**

We have the agreement with the hotel administration on **special** reduced prices for staying of our participants. In order to be eligible for this reduction please fill [the application form](#) and send it to the manager [Ms. Olga Komissarova](#)

[Sokos Hotel Vasilievsky](#) is situated in the historical centre of St. Petersburg, on the 8th Line of the Vasily Island, close to the Embankment of river Neva.

**V.O. 8 Liniya 11-13, 190034 St. Petersburg, Russia**

We have the agreement with the hotel administration on **special** reduced prices for staying of our participants. In order to be eligible for this reduction please fill in [the reservation form](#) and send it to [the reservation department](#).

## Hotels within a walking distance to the Congress venue

[Demidov](#): V.O. Sredniy Prospekt 28/29 App 25, Vasileostrovskiy district, Saint Petersburg

[Hotel Marco Polo St. Petersburg](#): 12-ya Liniya 27 V.O., Vasileostrovskiy district, Saint Petersburg

[Shelfort Hotel](#): 3rd Liniya V.O.26, Vasileostrovskiy district, Saint Petersburg

[SpbVergaz Hotel](#): 7-ya Liniya 70 V.O., Vasileostrovskiy district, Saint Petersburg

[Nauka - The hotel complex of the Russian Academy of Sciences](#): Millionnaya Street, 27, Metro: Nevsky Prospekt, Saint Petersburg

This is a cheapest accommodation. But if you want to stay at the hotel Nauka please contact the organizers **before 1.July**. We will arrange collective reservation for Congress participants.

The participants are kindly asked to send their hotel reservation requests before September 1, because the hotels are usually fully booked during the early Fall period.

The official exchange rates of foreign currencies against the rouble are set by the Russian Central Bank (<http://www.cbr.ru/eng>).

## **Travel information and venue**

The arrival day is September 30, the departure day is October 5.

Plenary and section talks will be held at **Saint Petersburg scientific center of Russian Academy of Sciences** in the historical building of the **Academy of Sciences** 5 Universitetskaya Nab., and in the **main building of Saint Petersburg State University** 7-9, Universitetskaya nab., Vasilievsky Ostrov (Island), St.Petersburg, Russia.

Social events will be hosted at the **university center** 6 Birzhevaya liniya, Vasilievsky Ostrov, St Petersburg.

On **October 3rd** the plenary session and sections will take place in the Petergof campus, the Institute of Physics of the St.Petersburg State University: in the V.Fock Hall and the Blue Hall, from 10:00 till 15:00.

The last day, **October 4<sup>th</sup>**, the Congress will take place at the **Scientists club**, Dvorzovaya naberezhnaya 26, St.Petersburg, Russia.

The further instructions on how to reach the Congress venue can be found on the web page.

## **Social program**

On **October 3rd** in the afternoon the excursion will be organized to the Grand Petergof Palace and the Fountain Garden. The Organizing Committee is planning also to arrange at extra charge visits to the State Hermitage Museum.

## **Associated conference**

**The associated conference**

**[NEW TRENDS IN HIGH-ENERGY PHYSICS](#)**

**(experiment, phenomenology, theory)**

**will take place in *Alushta*, Crimea, Ukraine, September 23 - 29, 2013.**

**There is a direct flight from Crimea, Simferopol to Saint-Petersburg and the visa for Spanish citizens is not required for Ukraine.**