



ISVHECRI 2016



19th International Symposium on Very High Energy Cosmic Ray Interactions

22-27 August 2016

Moscow, Russia

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Dear Colleague,

On behalf of the Organizing Committee we invite you to participate in the 19th meeting of the International Symposium on Very High Energy Cosmic Ray Interactions (ISVHECRI 2016) which will be held at the Lebedev Physical Institute (LPI), Moscow, Russia from 22 August to 27 August 2016. ISVHECRI 2016 is approved by the Council of the International Union of Pure and Applied Physics (IUPAP), under Commission 4 (C4), for its sponsorship and funding as a Topical Type B IUPAP conference.

Meeting the growing connections between Astroparticle Physics and High Energy Physics, this biennially organized Symposium presents an opportunity of bringing together biennially physicists working in the fields of Astroparticle and High Energy Particle Physics and, particularly, those who are studying high energy particle interactions both in cosmic ray and in accelerator experiments. Thus, it is envisaged that ISVHECRI 2016 will focus both on results of high energy cosmic ray studies related to hadronic interactions and on accelerator results relevant to astroparticle physics.

Topics covered in this Symposium:

- EAS results relevant to Particle Physics
- Accelerator results relevant to Cosmic Ray Physics
- Emulsion chamber & Hybrid experiment results
- LHC pp and Heavy Ion Physics
- Exotic phenomena, manifestation of a “New Physics” beyond the Standard Model
- Hadronic cross sections, multiparticle production & Hadronic interaction models
- Space experiment data related to high energy interactions
- Matter-Antimatter asymmetry
- New EAS experimental installations

- High energy neutrino and muon fluxes
- High and super high energy cosmic rays, origin & observation

The Symposium series was launched by cosmic ray physicists engaged in emulsion chamber experiments with the meeting held in Nakhodka in 1980 and since then it is supervised by Emulsion Chamber Committee authorized by the IUPAP. The most recent ISVHECRI Symposia took place in [Geneva, CERN \(2014\)](#), [Berlin, DESY \(2012\)](#), [Batavia, Fermilab \(2010\)](#).

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Important dates and deadlines

- 01 February 2016 – opening of early registration (with fee at 400 €)
- 29 April 2016 – first bulletin
- 25 May 2016 – deadline for applications for financial support
- 25 June 2016 – deadline for abstract submission
- 10 July 2016 – final announcement on the status of the submitted papers
- 15 July 2016 – deadline for online early registration fee payment (400 €)
- 19 August 2016 – deadline for online standard registration fee payment (450 €)
- 21 August 2016 – onsite registration opening (480 €)
- 22-27 August 2016 – Symposium sessions

There will be a series of Invited Talks of topical interest and one or two keynote talks aimed at a very broad audience as well as contributed papers and poster sessions. All the participants are welcome to present their contributions in an oral or a poster form. All the oral presentations will be in plenary sessions.

The Proceedings of the Symposium will be published in The European Physical Journal (EPJ) Web of Conferences (www.epj-conferences.org).

The registration fee of 400 € is kindly asked to be paid in advance (before July 15, 2016) by bank transfer using the Symposium web-site. After July 15, 2016 the amount of the registration fee increases to 450 € if paid by bank transfer before August 19, 2016 or to 480 € if paid on site at arrival.

Further details concerning the Symposium programme, registration fee payment, abstract submission, timetable, visa requirements, hotel accommodation, etc. can be found in the Symposium web site <http://isvhecri-2016.lebedev.ru>, which will be updated at regular intervals.

We look forward to welcoming you to the LPI.

Kind regards,
Organizing Committee.