

Moscow International School of Physics 2020

3–9 March, 2020

1st bulletin

The Moscow International School of Physics (MISP) is aimed at advanced students, PhD students and young postdocs working in high-energy physics. The program covers not only experimental and theoretical HEP physics, but also related fields: cosmology, machine learning, and mathematical physics. It should be noted that some preliminary knowledge of the subjects is necessary in order to be able to fully profit from the lecture courses. In addition to lecture courses, time will be allocated for presentations by participants of their research (Young Scientist Forum). The School language is English.

School Site and Date

The Moscow International School of Physics 2020 will be held from 3 till 9 March 2020 at the [HSE Study Center “Voronovo”](#) ~70 km to the south from Moscow.

GPS coordinates: 55°18'54.13"N (55.315035), 37°7'25.77"E (37.123825).

School is organized by [P.N. Lebedev Physical Institute of the Russian Academy of Sciences](#), [National Research University Higher School of Economics](#), and [Skolkovo Institute of Science and Technology](#). LLC MESOL is the authorized operator of the School.

Scientific Programme

- M. Pepe-Altarelli (CERN, Geneva) “Flavor Physics”
- N. Nekrasov (Simons Center for Geometry and Physics, Stony Brook & Skoltech, Moscow & IITP RAS, Moscow) “Some Trends and Challenges in Modern Theoretical Physics”
- K. Postnov (Sternberg Astronomical Institute, Moscow & MSU, Moscow) “Black Holes and Gravitational Waves”
- E. Akhmedov (Max Planck Institute for Nuclear Physics, Heidelberg) “Neutrino Physics”
- A. Ustyuzhanin (HSE, Moscow) “Machine learning for physicist”
- R. Rattazzi (EPFL, Lausanne) “Physics beyond the Standard Model” [TBC]
- TBA “The Standard Cosmological Model”
- Young Scientist Forum

Program Committee

- M. Danilov (LPI RAS & NRNU MEPhI) — chair
- S. Eidelman (LPI RAS & BINP)
- D. Gorbunov (INR RAS)
- G. Kabatiansky (Scoltech)
- D. Kazakov (JINR)
- V. Novikov (NRC «Kurchatov Institute» - ITEP & HSE)
- F. Ratnikov (HSE)
- M. Voloshin (Minnesota Univ.)
- M. Vysotsky (NRC «Kurchatov Institute» - ITEP & HSE)

Organizing Committee

- I. Chernysheva (NRNU MEPhI & LPI RAS)
- M. Chuyashkin (HSE)
- S. Eidelman (LPI RAS & BINP)
- G. Kabatiansky (Scoltech)
- P. Pakhlov (LPI RAS) — chair
- F. Ratnikov (HSE)
- N. Skrobova (MIPT)
- E. Solovieva (LPI RAS)
- T. Uglov (LPI RAS)
- V. Zhukova (LPI RAS)

Young Scientist Forum

Special sessions will be devoted to the presentations of participants' scientific results. The report should be in form of a brief talk (10+2 minutes) or a poster (portrait A1 or landscape A0). The Program Committee will select talks and posters from the submitted ones for presentation. The most interesting talks will be published in the peer-reviewed journal "[Bulletin of the Lebedev Physics Institute](#)" indexed by the Web of Science platform. Authors of the posters, most voted for by the School participants, will receive special prizes.

Social Program

Midday hours before lunch will be dedicated to sports and other kinds of activity. Cross-country ski rent will be available for free.

The School social program will also include a concert and an excursion.

Important Dates

November, 20 – start of the registration and abstract submission;

January, 15 – deadline for the registration and abstract submission;

January, 25 – Program Committee decision, acceptance notifications;

February, 15 – deadline for fee payments;

March, 3-9 – the School.

School Fee

The School fee is **35 000 Russian rubles (~490 Euro)**.

The School fee covers the participation in all the scientific sessions, the School kit, accommodation, meals, coffee breaks, participation in all social events, and transfer between the School site and Moscow.

A reduction of the fee is possible for a very limited number of young attendees from developing countries. A justified request must be e-mailed to the Organizing Committee simultaneously with the registration. The decision on those benefiting from the financial

support will be made by the Organizing Committee by January 25, 2020. Priority will be given to young speakers.

Fee for the accompanying persons is 25 000 Russian rubles (~350 Euro).

The support from the Ministry of Science and High Education of Russia allows the Organizing Committee to reduce the fee for participants from Russia and FSU countries to **3000 Russian rubles**.

The payment is to be done via credit card or bank transfer in advance. Official School operator LLC MESOL is authorized to collect payments.

The deadline for the payments for the invited candidates is February, 15. The payment serves as the confirmation of participation and is not refundable in case of the reduced School fee.

Visa Information

Foreign nationals of most countries, including citizens of the EU, US, Japan, China, are required to obtain a visa to visit Russia.

The Organizing Committee will prepare and send a visa support letter to participants upon completing the Registration form, where applicants are kindly requested to supply the organizers with a copy of the passport page (with a photo) and personal data. The same information is to be provided for the accompanying person(s).

Using visa support letter one can apply for a short-term (30 or 90 days) humanitarian visa. If one needs multiple long-term visa, please contact the Organizing Committee. [Here](#) you can find the list of Russian embassies and consulates around the world. If you plan to obtain a visa in a country you are not a citizen of, a copy of your residence permit is also needed.

Accommodation

The majority of the School events will be held at the HSE Study Center “Voronovo”. The Center is set in scenic surroundings on the edge of an old forest and boasts spacious premises that are fully equipped for both educational and extracurricular events, and also for leisure activities ranging from sports to intellectual games. Wi-Fi is available across the site.

The Study Center comprises of two connected but separate buildings — main and public. The main building offers hotel-style accommodation consisting of fully equipped standard rooms and suites, that have bathrooms, TV sets, and fridges. During the School participants will be accommodated in double rooms.

Climate

Moscow region climate is typically continental. Weather in the beginning of March fits well for various winter sports. It is usually sunny. The average temperature is about -2 degrees Celsius though sudden drops of temperature could be expected, as well as thaws, so having proper warm clothes is advised.

Currency and Credit Cards

Money exchange (preferably Euro or US dollars) is possible in various exchange offices in Moscow. There are also many ATMs (“Bankomat”) in Moscow which accept major credit cards. We recommend to have some cash since credit cards are not accepted in small shops sometimes.

HSE Study Center “Voronovo” is situated in remote place. There are no money exchange offices in the vicinity.

Contacts

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