

Moscow International School of Physics 2022

(Dubna International Advanced School of Physics)

24 July – 2 August 2022

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 2022 will be held from 24 July till 2 August 2022 at Dubna, Moscow region.

The School is organized by the P.N. Lebedev Physical Institute of the Russian Academy of Sciences (LPI RAS), Joint Institute of Nuclear Research (JINR), National Research University Higher School of Economics (HSE), and Skolkovo Institute of Science and Technology (Skoltech). LLC MESOL is the authorized operator of the School.

Scientific Programme

- E. Babichev (INR RAS) “Black Holes and Gravitational Waves”
- E. Boos (MSU) “Physics beyond the Standard Model”
- E. Burnaev (Skoltech) “Machine learning for physicists”
- I. Logashenko (BINP) “Muon anomalous magnetic moment”
- V. Naumov (JINR) “Neutrino Physics”
- P. Pakhlov (LPI RAS, HSE) “Flavor Physics”
- V. Rubakov (INR RAS) “Cosmology and Particle Physics”
- S. Shmatov (JINR) “Physics at Energy Frontier”
- TBA “Trends in Modern Theoretical Physics for Pedestrians”
- Young Scientist Forum with Poster Session

Program Committee

- M. Danilov (LPI RAS) — co-chair
- D. Kazakov (JINR) — co-chair
- T. Aushev (HSE)
- D. Gorbunov (INR RAS)
- A. Marshakov (Skoltech)
- V. Novikov (LPI RAS)
- F. Ratnikov (HSE)
- M. Vysotsky (LPI RAS)

Organizing Committee

- A. Arbuzov (JINR) — co-chair
- P. Pakhlov (LPI RAS, HSE) — co-chair

- I. Chernysheva (NRNU MEPhI, LPI RAS)
- M. Chuyashkin (HSE)
- G. Kabatiansky (Skoltech)
- I. Pirozhenko (JINR)
- F. Ratnikov (HSE)
- N. Skrobova (LPI RAS)
- 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 the 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. Volleyball, tennis (with your own equipment), table tennis and water skiing are among the possibilities. There is a beach at the bank of the Volga river.

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

Important Dates

- 10 May 2022 — start of the registration and abstract submission;
- 20 June 2022 — deadline for the registration and abstract submission;
- 27 June 2022 — Program Committee decision, acceptance notifications;
- 10 July 2022 — deadline for the School fee payments;
- 24 July – 2 August 2022 — the School.

School Fee

The School fee is **2 000 Russian rubles**. The payment is to be done via bank transfer in advance. Detailed instructions about the payment procedure will be given later.

The deadline for the payments for the invited candidates is 10 July 2022. The payment serves as the confirmation of participation and is not refundable. Foreign participants should pay the fee in cash upon arrival.

Visa Information

We kindly ask all participants who need a visa to contact Ms. Olga Korotchik by e-mail korotchik@jinr.ru before 5 July 2022. We strongly recommend applying as early as possible. Please note that the passport must be valid for 6 months after the visa expiration date.

Accommodation

The School lectures will be held at the House of International Conferences in Dubna. Address: Stroiteley, 2 (GPS coordinates: 56.747667N, 37.185987E).

The School participants will be accommodated in double or triple rooms at the Hotel Dubna. Address: Vekslera, 8 (GPS coordinates: 56.750654N, 37.192106E).

Meals will be served at the Hotel Dubna. Wi-Fi is available at the hotel and at the lecture hall.

Transportation

No transportation is planned for participants. Dubna has a convenient train connection with Moscow. There is a train at 9:26 from Moscow (Savelovskaya) to Dubna. The train arrives at 12:18. It is 15 minutes walk from the Dubna railway station to the Hotel Dubna. Registration will take place at the hotel from 12:30 till 13:30, followed by lunch from 13:30 till 14:30. The School lectures will start at 15:00 at the House of International Conferences.

Climate

Moscow region climate is typically continental. Weather at the end of July fits well for various outdoor activities. It is usually sunny, probability of precipitation is 28%. The maximum/minimum temperature during day/night is about +24/+14°C.

Currency and Credit Cards

Most foreign credit cards do not work in Russia nowadays. We recommend to have some cash always with you.

Money exchange (preferably Euro or US dollars) is possible in banks.

Contacts

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