

Reference letter for the project

“Dubna international school of contemporary theoretical physics”

The proposed project is a continuation of an extremely successful project of the Bogolyubov Laboratory of Theoretical Physics at the Joint Institute for Nuclear Research (JINR). This project started in 2003. During 20 years more than 45 Summer and Winter Schools have been organized in the framework of the project with more than three thousand participants (students, PhD students and young scientists) from Russia, JINR member states and many other countries.

School topics covered the whole range of the theoretical directions of JINR, including High Energy Physics, Heavy Ion Physics, Nuclear Physics and Astrophysics, Hadron Structure, Hadronic Matter and Lattice QCD, Heavy Quark Physics, Material science and several others. Special lecture courses were devoted to physics at future facilities including NICA (Nuclotron based Ion Collider fAcility) which is being constructed at JINR. The lectures were given by leading scientists in the world like V. Rubakov, A. Starobinskiy, A. Dolgov.

The review lectures for JINR staff members on the most recent achievements in different fields is a very important part of the Project. They help to keep the highest level of the scientific research at JINR.

One of the project goals is to help in the organization of teaching of MSU, MIPT, and NRNU MEPhI students at JINR, as well as students from the University “Dubna”. This is extremely important for achieving the high level of students and to attracting them to JINR.

Popular scientific activities form another very important direction of the Project. They form in public a positive attitude to science in general and to the Bogolyubov Laboratory and JINR in particular. They help to attract young talents to JINR.

The Project collaborates in its activities with many Russian and foreign organizations. In particular I personally collaborated with the Project leaders in the organization of the Moscow International School of Physics at Dubna in 2022. And everything was done really perfectly by our Dubna colleagues starting with the excellent lecture courses and ending with the organization of many activities for students during free time. It was a real pleasure to collaborate with our Dubna colleagues.

The Project leader D. Kazakov is the world leading scientist in theoretical particle physics. The second Project leader I. Pirozhenko is a known scientist and a very efficient organizer. This ensures a high scientific level of the Project events and a perfect organization.

I hope that I presented enough evidence that the Project was a real success in the past and achieved many ambitious goals. I have no doubts that it will continue to be very successful in future with diverse and ambitious goals. It will be very useful for JINR. I highly recommend the Project for the continuation.

Mikhail Danilov



Chief scientist, Lebedev Physical Institute of RAS,

Academician of RAS