



JOINT INSTITUTE FOR NUCLEAR RESEARCH  
**XXIV INTERNATIONAL BALDIN SEMINAR  
ON HIGH ENERGY PHYSICS PROBLEMS**

*RELATIVISTIC NUCLEAR PHYSICS  
& QUANTUM CHROMODYNAMICS*

Dubna, Russia, September 17-22, 2018

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FIRST BULLETIN

The XXIV International Baldin Seminar on High Energy Physics Problems ”*Relativistic Nuclear Physics and Quantum Chromodynamics*”, organized by Joint Institute for Nuclear Research will be held from September 17 to 22, 2018 in Dubna, Russia.

The Seminar continues the series of traditional meetings and was established by an outstanding scientist, Academician A.M. Baldin (1926-2001). The series of the International Seminars on High-Energy Physics Problems was started in 1969 with M. A. Markov’s (1908-1994) support and had a special importance among the conferences organized by Alexander Michailovich. It had been given an unofficial, somewhat witty, name - ”Baldin autumn”.

SEMINAR TOPICS

- Quantum chromodynamics at large distances
- Relativistic heavy ion collisions
- Hadron spectroscopy, multiquarks
- Cumulative processes
- Structure functions of hadrons and nuclei
- Multiparticle dynamics
- Polarization phenomena, spin physics
- Studies of exotic nuclei in relativistic beams
- Applied use of relativistic beams
- Accelerator facilities: status and perspectives
- New project NICA/MPD (Nuclotron-based Ion Collider fAcility/ Multipurposed Detector) at JINR
- Progress in experimental studies in the high energy centers - JINR, CERN, BNL, JLAB, GSI, etc.

The program is supposed to present reports from major experimental collaborations and summaries of major theoretical and experimental advances made in relativistic nuclear physics.

The Seminar programme will consist of review talks and contributions presenting original researches.

The working language of the Seminar is English.

## ORGANIZING COMMITTEE

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