



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

*RELATIVISTIC NUCLEAR PHYSICS
& QUANTUM CHROMODYNAMICS*

Dubna, Russia, September 15-20, 2014

THIRD BULLETIN

XXII International Baldin Seminar on High Energy Physics Problems " *Relativistic Nuclear Physics and Quantum Chromodynamics*", organized by the Joint Institute for Nuclear Research will be held from September 15 to 20, 2014 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 Baldin. 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.

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SCIENTIFIC PROGRAMME

The program presents reports from the major experimental collaborations and summaries of the major theoretical and experimental advances made in relativistic nuclear physics.

The Seminar programme consists of review talks and contributions presenting original researches. The working language of the Seminar is English.

The Seminar programme is at: <<http://relnp.jinr.ru/ishepp/programme.html>>

ABSTRACTS

The Book of Abstracts in PDF is at: <<http://relnp.jinr.ru/ishepp/abstracts.html>>

SUPPORT

The Seminar is supported by:

- International Union of Pure and Applied Physics (IUPAP): [<http://www.iupap.org/events>](http://www.iupap.org/events).
To secure IUPAP sponsorship, the organizers have provided assurance that The XXII International Baldin Seminar on High Energy Physics Problems " *Relativistic Nuclear Physics and Quantum Chromodynamics* " will be conducted in accordance with IUPAP principles as stated in the IUPAP resolution passed by the General Assembly in 2008. In particular, no bona fide scientist will be excluded from participation on the grounds of national origin, nationality, or political considerations unrelated to science.

SPONSORS

The Seminar is Sponsored by:

- Joint Institute for Nuclear Research, Dubna, Russia: [<http://www.jinr.ru>](http://www.jinr.ru).
- Russian Foundation for Basic Research: [<http://www.rfbr.ru>](http://www.rfbr.ru).

LOCATION AND OPENING

The Seminar will be held in the Bogoliubov Laboratory of Theoretical Physics (BLTP) (plenary and parallel A sessions in the Conference Hall on the second floor, parallel sessions B in the Blokhintsev Auditorium on the fourth floor) during September 15-20, 2014. The Seminar Secretariat is located on the second floor of BLTP, room No. 238. Phone: 21-63-183.

The Seminar will be opened on Monday, September 15 at 10.00 in the Conference Hall of the BLTP.

ENTERING THE TERRITORY OF THE LABORATORY

The participants are kindly asked to submit their passports at the gate to enter the territory of BLTP. It is also possible to enter the other Institute territory (Veksler and Baldin Laboratory of High Energy Physics, VBLHEP) showing your passport at the gate.

REGISTRATION

The registration of the participants will take place at the Hotel "Dubna" from 18.00 till 21.00 on Sunday, September 14 and from 9.00 till 10.00 on Monday, September 15 at the Seminar Secretariat in BLTP. The Seminar fee (cash) will be accepted at registration.

TECHNICAL FACILITIES

A beam-projector is at the speakers' disposal. The participants are kindly asked to present the reports in PDF format.

PROCEEDINGS OF THE SEMINAR

The Proceedings of the Seminar will include all the invited talks presented at the Seminar and a number of contributions. No length restrictions. The Proceedings will be published after the Seminar in the Proceedings of Science <http://pos.sissa.it>.

There are two deadlines for Proceedings: first one is **October 15, 2014** the registration of the authors (authors should provide names, e-mail and title of the contribution) and second one is **December 31, 2014** the submission of the paper.

SOCIAL PROGRAMME

WELCOME PARTY

Monday, September 15, 18.30 - BLTP Cafeteria

PIANO CONCERT

Tuesday, September 16, 19.00 - JINR Scientists' Club, 6 Joliot-Curie

The tickets for the concert are available at the Secretariat of the Seminar (free of charge).

BANQUET

Friday, September 19, 20.00 - VBLHEP Canteen (there will be a bus from BLTP to VBLHEP)

MEALS

Meals are served at the Hotel restaurant (breakfast, lunch and dinner), at the canteen at the Institute site, the cafeteria of the International Conference Hall (2, Stroitelny str.) (lunch), the cafeteria of the Scientists Club (dinner). Please, have your name badges to enter the Scientists Club.

TRANSFER TO THE AIRPORT

Please, check your travel details (date and time of the flight) at the Secretariat. The time of the cars/buses to the airport will be available a day before your departure at the Secretariat as well as on the board at the entrance to the Conference Hall.

CONTACTS

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