



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

*RELATIVISTIC NUCLEAR PHYSICS  
& QUANTUM CHROMODYNAMICS*

Dubna, Russia, September 10-15, 2012

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## THIRD BULLETIN

The XXIth 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 10 to 15, 2012 in Dubna, Russia.

The Seminar continues the series of traditional meetings and was established by an outstanding scientist Academician A.M. Baldin (1926-2001). Among conferences that were organized by Alexander Mikhailovich Baldin of special importance is just this series of the International Seminars on High Energy Physics Problems started in 1969 with support of M.A. Markov (1908-1994). They have been given an inofficial, somewhat witty, name "Baldin autumn".

### SEMINAR TOPICS

- Quantum chromodynamics at large distances
- Relativistic heavy ion collisions
- Hadron spectroscopy, multiquarks
- Cumulative and subthreshold processes
- Structure functions of hadrons and nuclei
- Dynamics of multiparticle production
- 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 is supposed to present reports from the major experimental collaborations and summaries of the 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.

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>>

## LOCATION

The Seminar will be held in Veksler and Baldin Laboratory of High Energy Physics (VBLHEP, bldg. 215) during September 10-15, 2012.

Plenary sessions and parallel sessions A will take place in the Conference Hall (second floor). Parallel sessions B will take place in the Auditorium 347 (third floor). The room of the Organizing Committee (Secretariat) is located near the Conference Hall.

Opening of the Seminar is at 10.00 in the Conference Hall.

## TRANSPORTATION AND ENTERING VBLHEP

Bus shuttle between the Hotel "Dubna" and VBLHEP at the morning and evening will be available. The participants will be informed of the bus schedule during registration.

To enter the territory of the Laboratory the participants should submit their passports at the gate.

## REGISTRATION

Registration of the participants will be from 19.00 till 21.00 on September 9 at the Hotel "Dubna" and from 9.00 till 10.00 on September 10 at the Seminar Secretariat at the Laboratory

The registration fee in cash will be accepted during registration.

## TECHNICAL FACILITIES

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

## PROCEEDINGS OF THE SEMINAR

The Proceedings of the Seminar will include all then invited talks presented at the Seminar and a number of contributions. The Proceedings will be issued after the Seminar.

The deadline for contributions, instructions for typing and submitting of the papers will be available at the Seminar website after the meeting.

## SOCIAL PROGRAMME

Monday, September 10, 19.00

VBLHEP Canteen

WELCOME PARTY

Thursday, September 13, 19.30

Dubna Music School (Flerov str., 4)

PIANO CONCERT

Friday, September 14, 19.00

VBLHEP Canteen

BANQUET

## FURTHER INFORMATION

Further information is available on the Seminar Web Site at <<http://relnp.jinr.ru/ishepp/>>

## CONTACTS

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