

XXIII International Baldin Seminar
Relativistic Nuclear Physics and
Quantum Chromodynamics

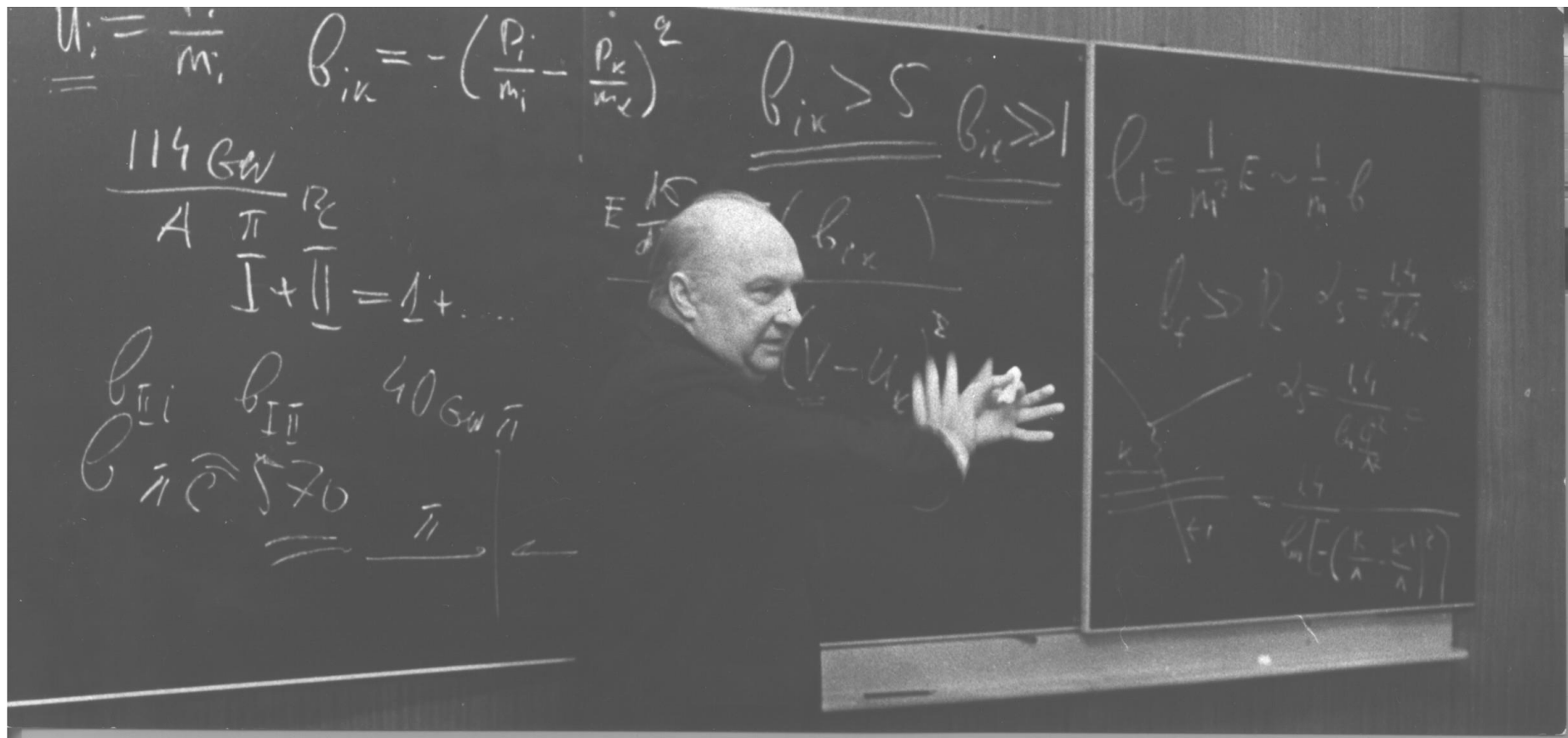
Devoted to the 90th anniversary
of Academician A.M. Baldin

<http://relnp.jinr.ru/ishepp/>

Dubna, September 19 – 24, 2016

Alexander Mikhailovich Baldin

February 26, 1926 - April 29, 2001



The first 1969 Dubna Seminar

- ◆ *The first 1969 Dubna Seminar of this series was devoted to study of vector mesons and has included a considerable number of reports on development of gauge field theory*
- ◆ *Among the participants there were*
***N.N. Bogoliubov, J. Bjorken, B. Zumino,
V.F. Markov, S. Ting, L.D. Faddeev***
and others who made an essential contribution to this field

Dubna Seminars 1969 – 2014

biennial

- ◆ *the subsequent seminars of this series were devoted to the physics of strong interactions, multiparticle production, relativistic nuclear physics, quantum chromodynamics, cumulative meson production, structure functions, EMC-effect, ...*
- ◆ *theoretical studies and ideas discussed at the Seminar in the early seventies later on became the main trends in the experimental program of investigations at the Synchrophasotron and Nuclotron at JINR.*

Dubna Seminars 1969 - 2014

- ◆ *Typical scale of the Seminars*
 - *around two hundred participants from ~ 20th countries, and more than 120 reports*
- ◆ *The Proceedings of the ISHEPP VI - XXII comprise reports on hot problems of relativistic nuclear physics, perspectives and statuses of experiments which are aimed to investigate relativistic nuclear collisions including polarization phenomena*



Joint Institute for Nuclear Research

XXII INTERNATIONAL BALDIN SEMINAR ON HIGH ENERGY PHYSICS PROBLEMS

Relativistic Nuclear Physics & Quantum Chromodynamics



ISHEPP XXII

September 15-20, 2014, Dubna, Russia

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Seminar Topics

- Quantum chromodynamics at large distances
- Relativistic heavy ion collisions
- Hadron spectroscopy, multi-quarks
- 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 high energy centers - JINR, CERN, BNL, JLAB, GSI, etc.

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Addresses for Correspondence

Dr. Elena Rogochaya, E-mail: ishepp@theor.jinr.ru
 Veksler and Baldin Laboratory of High Energy Physics
 Joint Institute for Nuclear Research
 141980 Dubna RUSSIA

URL

<http://relnp.jinr.ru/ishepp/>

Visas, accommodation, travel details

Mrs. Elena Russakovich, E-mail: russakovich@jinr.ru
 International Department
 Joint Institute for Nuclear Research
 141980 Dubna RUSSIA
 Tel.: +7(49621)63890 ; Fax: +7(49621)65891

XXII International Baldin Seminar

- Statistics:
 - 217 participants from 17 countries
 - 40 women
 - 160 speakers from Scientific Centers (CERN, GSI, JLAB, BNL, JINR, COSY, FNAL, JPARC,...)
 - 31 women
- Proceedings:
 - <http://pos.sissa.it/cgi-bin/reader/conf.cgi?confid=225>
 - *115 talks*

XXII International Baldin Seminar



XXIII International Baldin Seminar

Dubna, September 19 – 24, 2016

Seminar topics:

- *Quantum chromodynamics at large distances*
- *Relativistic heavy ion collisions*
- *Hadron spectroscopy, multiquarks*
- *Cumulative processes (short range correlations)*
- *Structure functions of nucleons and nuclei*
- *Multiparticle dynamics*
- *Polarization phenomena, spin physics*
- *Studies of exotic nuclei in relativistic beams*
- *Development of accelerator facilities*
- *Project NICA at JINR*
- *New experimental results from JINR, CERN, BNL, JLAB, GSI, ...*
- *Applied researches in relativistic beams*

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Zarubina I.G., Zarubin P.I.

XXIII International Baldin Seminar

Dubna, September 19 – 24, 2016

- *~250 participants are expected*
- *conference fee - 350 Euro*
- *support for young scientists - free accommodation*

XXIII International Baldin Seminar

**The Organizing committee applies to IUPAP for
the conference sponsorship and support**

