JINR Dubna as a Host to the SQM2015 Conference

A. Sorin
The Special Economic Zone in Dubna
JINR Dubna: International Intergovernmental Organization

JINR’s partners are about 700 institutions located in 60 countries.
JINR’s research niche offered by home facilities

Heavy-Ion Physics:
- at high energies (up to 5 GeV/n) (in future $\sqrt{s_{NN}} = 11$ GeV, NICA facility)
- at low and intermediate energies (5 – 100 MeV/n)

Condensed Matter Physics using nuclear physics methods
Exploration of the QCD phase diagram

- in-medium properties of hadrons & nuclear matter equation of state
- onset of deconfinement & chiral symmetry restoration
- phase transitions, mixed phase & critical phenomena
- local parity violation (P-odd effects)

Spin physics

- to shed light on the origin of spin
- to define the nucleon spin structure

The planned data taking – 2017
Baryonic Matter at Nuclotron (BM@N)

- measurements of the multi-strange ($\Xi$, $\Omega$, exotics) & hypernuclei in HI collisions
- close to the threshold production in the region of high sensitivity to the models prediction

Preparation of the joint GSI - JINR experiment Baryonic Matter at Nuclotron (BM@N) has started. The planned data taking - 2015
The CBM/FAIR-MPD/NICA Consortium

- 7 institutes
- 3 countries

- **GSI**, Darmstadt, Germany
- **JINR**, Dubna, Russia
- **IHEP**, Protvino, Russia
- **MSU**, Moscow, Russia
- **KRI**, St.Petersburg, Russia
- **University**, St.Petersburg
- **SE SRTIE**, Kharkov, Ukraine

- Modules assembly
- Components
- Ladder assembly
- Radiation tests
- In-beam tests
Dense Matter in Heavy Ion Collisions and Astrophysics

Bogoliubov Laboratory of Theoretical Physics
JINR, Dubna, Russia, July 14-26, 2008

TOPICS:
- Hadrons in the Medium
- Equation of state and Phase Transitions
- Hadron Production and Heavy Ion Collisions
- Dense Matter in Compact Stars
- Future Experimental Facilities

ORGANIZERS:
- J. Wambach (GSI, TU Darmstadt)
- V. Voronov (JINR)
- D. Blaschke (JINR, U Wroclaw)

LOCAL ORGANIZERS:
- A. Sorin (JINR)
- J. Schmelzer (U Rostock, JINR)
- V. Zhuravlev (JINR)
- V. Skokov (sc. secretary, JINR)
- A. Dolya (secretary, JINR)

SUPPORTED BY:
- Helmholtz Association
- Helmholtz Centers DESY and GSI
- Joint Institute for Nuclear Research
- Russian Foundation for Basic Research

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**Dense QCD Phases in Heavy-Ion Collisions**

JINR Dubna, August 21 - September 4, 2010

**Critical Point and Onset of Deconfinement**

JINR Dubna, August 23-29, 2010

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**Lattice QCD, Hadron Structure and Hadronic Matter**

Dubna, Russia, September 5 - 17, 2011

**Introduction to Lattice Gauge Theories**
**Hadron structure and spectroscopy**
**Nonzero temperature and baryon number density**
**Heavy quark physics**
**Beyond the Standard Model**
**Strong magnetic fields**
**Simulation algorithms and analysis techniques**

**LECTURERS:**
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The deadline for submitting applications is June 15, 2011.
XX International Symposium on Spin Physics (SPIN2012)
Dubna, September 17 – 22, 2012
Lecture Halls at the JINR Laboratories
A large conference hall in the JINR Conference Centre
Large conference hall in the Laboratory of High Energy Physics (400 seats)
Conference hall in the Laboratory of High Energy Physics (150 seats)
Conference hall in the Laboratory of High Energy Physics (70 seats)
Seminar rooms in the Laboratory for High Energy Physics (30-40 seats)
Lunch place in the Laboratory for High Energy Physics (400 seats)
243 comfortable, fully equipped rooms of the Dubna hotel are available for accommodation.

Together, the Dubna Hotel and Dubna Grill can accommodate 333 people.
A Luxury room in the hotel “Dubna”, Vekslera str., 8
Rooms in the hotel “Dubna”, Vekslera str., 8
Standard rooms in the hotel “Dubna - 3”, Moskovskaya str., 2
There are many good places to eat and to enjoy each other’s company in Dubna.
Reception in the Scientific Club Cafe
Dubna – Culture Life
Dubna is a quiet and pleasant town situated on the picturesque banks of the Volga River. There is a railway and bus connection between Dubna and Moscow. Its surroundings offer peaceful rural scenery, which, though having no famous monuments, keeps memories of the past. A 2-hour trip brings you to Moscow or Sergiev Posad (the Russian Orthodox center with its 500-year-old Trinity Monastery) or to Klin with the famous Tchaikovsky home museum.
Sightseeing in the Russian capital – Moscow city
Sightseeing in Sergiev Posad
Sightseeing in Pereyaslavl Zalesskiy
There are many beautiful scenes in and around Dubna
Dubna Sightseeing
Historical and Modern Buildings in Dubna
Welcome to Dubna!
Practical Considerations

JINR has a long experience hosting international conferences of this scope.

For an international conference of this scope, the registration fee is typically approximately 350 Euro which includes hospitality and proceedings.

Standard hotel accommodation in the two Institute hotels with western style accommodation is approximately 40 Euro per night—student dorms possible if needed.

Many restaurants are available in the town which have English translation menus. Excellent meals can be had starting from 10-15 Euro, with lunches available at the Institute cafeterias (there are several) for much less (approximately 5 Euro).

Typically for such meetings, JINR proposes to the Russian Foundation for Basic Research, Dynasty Foundation, UNESCO-IBSP, etc. for financial support for students to attend. Other support will be sought (JINR budget, Heisenberg-Landau, Bogoliubov-Infeld and Blokhintsev-Votruba Programs, etc.)

Bus transportation from Moscow airports to JINR and back at the end of the conference will be provided for nominal additional fee.

Private cars can be arranged through the Institute for a fee.

Conference will include an excursion to local points of cultural interest and a companions program.

Wireless internet available in conference halls and at Dubna Hotels (free).
Every year the Joint Institute for Nuclear Research hosts more than 65 meetings of different type

Qualified staff of the JINR Department of International Scientific Cooperation will take care of visa arrangement and will assist participants with their visit

JINR has sufficient resources to organize and carry out properly various corporate events like workshops, meetings and conferences