

# **Program of the EU-Italy-Russia@Dubna Round Table**

**Dubna, 3-5 March 2014**

International Conference Hall, JINR

## **March 3, Monday**

**10:00 -11:00 Registration (at the International Conference Hall, JINR)**

**11:00 -13:00 OPENING and PERSPECTIVES of EU- Russia Collaboration**

**11:00 - 11:30 V.A. Matveev** (Director of the Joint Institute for Nuclear Research)

*Welcome Address and Presentation of JINR*

**11:30 - 11:45 P. Fre** (Scientific Counsellor of the Italian Embassy in the Russian Federation)

*Welcome Address and Presentation of the EU-Italy-Russia@Dubna Round Table Series*

**11:45 - 12:15 L.M. Ogorodova** (Deputy Minister of Education and Science of the Russian Federation)

*Opening Address "State supporting science and technology challenge. Measures for modern scientific landscape"*

**12:15 - 12:30 A. Pinna** (First Counsellor of the Italian Embassy in the Russian Federation)

*Opening Address*

**12:30 - 12:45 S.O. Carlsson** (Deputy Head of the Delegation of the European Union in the Russian Federation)

*Opening Address*

**12:45 - 13:00 R. Burger** (Science and Technology Counsellor of the Delegation of the European Union in the Russian Federation)

*Opening Address*

**13:00 - 14:30 Lunch break**

**14:30 - 16:40 Excursion to the NICA site**

**16:40 - 17:10 Coffee break**

**17:10 - 17:50 I. Antoniadis** (CERN, Theory Division)

*Mass hierarchy and physics beyond the Standard Theory*

**17:50 - 18:30 V. Rubakov** (INR RAS, Moscow, Russia)

*Beyond the Standard Model of cosmology*

**18:30 - 19:10 P. Giacomelli** (INFN Bologna, Italy)

*Prospects of the Higgs sector at HL-LHC*

**19.30 FOURCHETTE**

**(at the International Conference Hall)**

**March 4, Tuesday**

**09:30 - 10:00 A. Slavnov** (Steklov Mathematical Institute RAN)

*Yang-Mills theory as a massless limit of a gauge invariant massive theory*

**10:00 - 10:30 D. Kazakov** (BLTP, JINR, Dubna)

*The Higgs boson is found: what is next?*

**10:30 - 11:00 N. Krasnikov** (INR RAS, Moscow, Russia )

*Proposal for an experiment to search for the light dark matter at the SPS*

**11:00 - 11:30 Coffee break**

**11:30 - 12:00 A. Van Proeyen** (Institute for theoretical physics, KU Leuven)

*$R + R^2$  supergravity and off-shell multiplets*

**12:00 - 12:30 A. Sevrin** (Vrije Universiteit Brussel, Belgium)

*Towards a Supersymmetric Doubled Worldsheet Formalism*

**12:30 - 13:00 K. Stelle** (Imperial College, London)

*What Happens to the Schrodinger Solution in Quantum Corrected Gravity?*

**13:00 - 13:30 A. Starobinsky** (L.D. Landau ITP RAS & JINR, Dubna)

*What is next in the early Universe cosmology?*

**13:30 - 15:00 Lunch break**

**15:00 - 15:30 A. Dolgov** (University of Ferrara, INFN & ITEP)

*Dark matter after LHC*

**15:30 - 16:00 O. Teryaev** (BLTP, JINR, Dubna)

*QCD meets gravity and inertia*

**16:00 - 16:30 D. Gorbunov** (INR RAS, Moscow, Russia )

*New physics at GeV scale?*

**16:30 - 17:00 Coffee break**

**17:00 - 17:30 I. Aref'eva** (Steklov Mathematical Institute RAN)

*Global Holography and Heavy Ions Collisions*

**17:30 - 18:00 V. Kekelidze** (VBLHEP, JINR, Dubna)

*Prospects for dense baryonic matter research at Nuclotron-NICA: BM@N and MPD projects*

**18:00 - 18:30 G. Trubnikov** (VBLHEP, JINR, Dubna)

*NICA collider complex: challenges and perspectives*

**18:30 - 19:00 B. Mellado** (Wits University, South Africa)

*Higgs Physics in ep collisions*

**20.00 BANQUET**

**(at the Hotel "Dubna")**

**March 5, Wednesday**

**09:30 - 10:30 A. Silenko** (BLTP, JINR, Dubna)

*Conformal transformations and new properties of relativistic wave equations for massive and massless particles*

**10:00 - 10:30 M. Savina** (VBLHEP, JINR, Dubna)

*Models of TeV-scale gravity at the LHC*

**10:30 - 11:00 O. Veretin** (Universitaet Hamburg)

*Two-loop EW corrections to the top and bottom masses and Yukawa couplings*

**11:00 - 11:30 Coffee break**

**11:30 - 12:00 I. Savin** (VBLHEP, JINR, Dubna)

*Spin Physics Experiments at NICA-SPD with polarised proton and deuteron beams. Letter of Intent.*

**12:00 - 12:30 O. Denisov** (INFN, Torino)

*COMPASS-II : Hadron structure study in polarized Drell-Yan experiment*

**12:30 - 13:00 G. Kozlov** (JINR, Dubna)

*Dilaton vs Higgs: Nearly Conformal Physics at the LHC*

**13:00 - 14:30 Lunch break**

**14:30 - 15:00 A. Filippov** (BLTP, JINR, Dubna)

*Many faces of scalaron coupled to gravity*

**15:00 - 15:30 E. Ivanov** (BLTP, JINR, Dubna)

*N=2 Born-Infeld Theory with Auxiliary Superfields*

**15:30 - 16:00 S. Bellucci** (LNF-INFN, Frascati, Italy)

*Coset approach to supersymmetric component actions*

**16:00 - 16:30 Coffee break**

**16:30 - 17:00 A. Zakharov** (ITEP, Moscow )

*The Galactic Center as a laboratory for a new physics*

**17:00 - 17:30 A. Petrukhin** (MEPhI, Moscow )

*Study of nucleus-nucleus interactions is the next step in LHC experiments after the Higgs-boson discovery*

**17:30 - 18:00 J. Cleymans** (University of Cape Town, South Africa)

*Thermal Models in High Energy Physics*

**18:00 Closing of the Round Table**