

September 15, Monday
Conference Hall of BLTP JINR
Plenary Session

10.00 **Matveev Victor, Kekelidze Vladimir** (JINR)
Opening

Progress in experimental studies at the high energy accelerators

Chairman V. Matveev

10.20 **Pondrom Lee** (Madison, USA)
W pair production at the Tevatron

11.00 **Photo**

Coffee break 11.10 – 11.40

Progress in experimental studies at the high energy accelerators

Chairman A. Malakhov

11.40 **Kekelidze Vladimir** (JINR)
Status-report of the NICA@JINR

12.20 **Gorbunov Ilia** (JINR)
The recent results of the CMS Collaboration (on behalf of the CMS Coll.)

13.00 **Demichev Mikhail** (JINR)
Measurements of jet and photon production properties in pp collisions with the ATLAS detector

Break 13.25 – 15.00

Quantum chromodynamics at the large distances

Chairman V. Burov

15.00 **Musakhanov Mirzayusuf** (Tashkent, Uzbekistan)
Heavy-light quarks interactions in QCD vacuum

15.40 **Konopleva Nelly** (Moscow, Russia)
45 years of “Baldin autumn”

Break 16.00 – 16.30

September 15, Monday
Conference Hall of BLTP JINR
Plenary Session

*Structure functions of hadrons**

Chairman V. Lukyanov

- 16.30 **Bondarenko Serge** (JINR)
Separable kernels of the NN interaction within Bethe-Salpeter approach
- 16.50 **Rogochaya Elena** (JINR)
Relativistic separable interaction kernel of the neutron-proton system with inelasticities for partial-wave states with $J > 1$
- 17.10 **Burov Valery** (JINR)
Bethe-Salpeter approach with separable potential. Review and results
- 17.40 **Bekzhanov Artem** (FEFU/JINR)
Elastic electron-deuteron scattering in the Bethe-Salpeter approach
- 18.00 **Yurev Sergey** (FEFU/JINR)
Three-nucleon calculations within Bethe-Salpeter approach with separable kernel
- 18.20 **End**
- 18.30 **Welcome party** (BLTP Cafeteria)

* *Session in Honor of the 65th Annivesary of Professor Valery Burov*

September 16, Tuesday
 Conference Hall of BLTP JINR
 Parallel Session A

Dynamics of multiparticle production

Chairman V. Nedorezov

- 09.00 ***Tokarev Mikhail*** (JINR)
 Self-similarity of proton spin
- 09.20 ***Dedovich Tatyana*** (JINR)
 Comparison of fractal analysis methods for fractal and random data sets
- 09.40 ***Aparin Alexey*** (JINR)
 Self-similarity of cumulative hadron production in pa collisions at low and high pt
- 10.00 ***Makhaldiani Nugzar*** (JINR)
 Hadronization mechanism in multiparticle production and solvable models of renormdynamics
- 10.40 ***Vechernin Vladimir*** (Saint Petersburg, Russia)
 Theoretical description of the forward-backward multiplicity correlations in windows separated in azimuth and rapidity

Coffee break 11.00 – 11.30

Dynamics of multiparticle production

Chairman M. Tokarev

- 11.30 ***Nedorezov Vladimir*** (Moscow, Russia)
 Multi-fragmentation of nuclei: new experimental approaches and results
- 12.10 ***Smolianskii Stanislav*** (Saratov, Russia)
 WKB-type approximations in the theory of vacuum partial creation in strong fields
- 12.30 ***Topilskaya Nataliya*** (Moscow, Russia)
 Charmonium production in heavy ion collisions and suggestion of new experiments on fixed target
- 12.50 ***Eliseev Sergey*** (JINR)
 Phenomenology and space-time picture of hadronization: past, present and future
- 13.10 ***Machavariani Alexander*** (JINR)
 On the field-theoretical formulation of the electron-proton scattering in the Coulomb and Lorentz gauges

Break 13.30 – 15.00

Dubna, Russia
 Joint Institute for Nuclear Research

September 16, Tuesday
 Blokhintsev Auditorium of BLTP JINR
 Parallel Session B

Applied use of relativistic beams

Chairman S. Tyutyunnikov

- 09.00 **Artiushenko Maryna** (Kharkov, Ukraine)
 Energy dependence of the $^{nat}U(n,f)$, $^{nat}U(n,\gamma)$ and $Co(n,x)$ reaction rates in the volume of QUINTA setup irradiated by 1-4 AGeV deuterons and ^{12}C ions
- 09.20 **Bielewicz Marcin** (Otwock-Swierk, Poland)
 Measurements of fast neutron spectrum in QUINTA assembly irradiated with 2, 4 and 8 GeV deuterons
- 09.40 **Bukhal Volha** (Minsk, Belarus)
 Determination of heavy metal spallation reactions cross sections at 2, 2.94, 3.5 GeV deuteron beams
- 10.00 **Chudoba Petr** (Rez, Czech Republic)
 Study of cross-sections of yttrium (n,xn) threshold reactions
- 10.20 **Husak Krystsina** (Minsk, Belarus)
 Determination of the ratios of the average plutonium-239 and neptunium-237 fission cross-sections to the average uranium-235 fission cross-section in the assembly QUINTA neutron field
- 10.40 **Kilim Stanisław** (Otwock-Swierk, Poland)
 Measurements of Np-237 incineration in ADS setup QUINTA

Coffee break 11.00 – 11.30

Applied use of relativistic beams

Chairman A.Baldin

- 11.30 **Kudashkin Ivan** (JINR)
 Diagnostics and monitoring of Nuclotron extracted beams for applied research
- 11.50 **Wagner Vladimir** (Rez, Czech Republic)
 Nuclear data for advanced nuclear systems
- 12.10 **Suchopár Martin** (Husinec-Řež, Czech Republic)
 Studies of relativistic deuteron reaction cross-sections on copper by activation method
- 12.30 **Paraipan Mihaela** (JINR)
 Comparison between deuteron and carbon beams at QUINTA set-up
- 12.50 **Zhivkov Petar** (Sofia, Bulgaria)
 Analysis of spatial distributions of the (n,f)natU, (n, γ)natU, (n,xn)natU reaction rates in the massive (512 kg) natural uranium target assembly QUINTA induced by irradiation with deuterons with energies in the range (1 – 8) GeV and a beam of carbon nuclei with energies 24 and 48 GeV
- 13.10 **Szuta Marcin** (Otwock-Swierk, Poland)
 Lead shielding impact on fast neutron spectrum (>10 MeV) in QUINTA uranium target

Break 13.30 – 15.00

Dubna, Russia
 Joint Institute for Nuclear Research

September 16, Tuesday
Conference Hall of BLTP JINR
Parallel Session A

Multiparticle dynamics

Chairman V. Vechernin

- 15.00 ***Pshenichnov Igor*** (Moscow, Russia)
Multifragment break-up of ^{12}C in photonuclear reactions
- 15.20 ***Somsikov Vyacheslav*** (Almaty, Kazakhstan)
Limitations of classical mechanics and ways it's expansion
- 16.00 ***Jerusalimov Alexander*** (JINR)
Di-pion production in np-interaction at intermediate energies
- 16.20 ***Galoyan Aida*** (JINR)
Dynamics of interactions of anti-protons and anti-nuclei with nuclei in Geant4
- 16.40 ***Rogachevsky Oleg*** (JINR)
Study of the structure for multiparticle production events
- 17.00 ***Egorov Mikhail*** (Tomsk, Russia)
Double pion photoproduction on light nuclei
- 17.20 ***Neverov Dmitry*** (Saint Petersburg, Russia)
Bose-Einstein effects in multiplicity and net-charge correlations in pp collisions using PYTHIA8 simulations
- 17.40 **End**
- 19.00 Concert** (JINR Scientists' Club, 6 Joliot-Curie)

September 16, Tuesday
Blokhintsev Auditorium of BLTP JINR
Parallel Session B

Applied use of relativistic beams

Chairman V. Wagner

- 15.00 **Zeman Miroslav** (JINR)
Reaction rates of residual nuclei produced in ^{59}Co with the spallation neutrons generated with deuterons of energy 4 AGeV at the massive uranium target QUINTA
- 15.20 **Słowiński Bronisław** (Warsaw, Poland)
Impact parameter and scaling quantities correlation
- 15.40 **Słowiński Bronisław** (Warsaw, Poland)
Neutrons production in heavy spallation targets by electrons beams
- 16.00 **Tseepeldorj Baatar** (Ulaanbaatar, Mongolia)
A particle emission region size in multiparticle production process
- 16.20 **Tichy Pavel** (Rez, Czech Republic)
Quasi-infinite depleted uranium target (BURAN)
- 16.40 **Majlingova Olga** (Rez/Prague, Czech Republic)
Hyperfragments from the lightest p-shell hypernuclei. II. Recent progress and the next steps
- 17.00 **End**

19.00 Concert (JINR Scientists' Club, 6 Joliot-Curie)

September 17, Wednesday
 Conference Hall of BLTP JINR
 Parallel Session A

Quantum chromodynamics at the large distances

Chairman G. Efimov

- 09.00 **Stefanovich Eugene** (Mountain View, USA)
 Lorentz boosts in interacting systems
- 09.20 **Dorokhov Alexander** (JINR)
 Status of the muon g-2 problem
- 09.40 **Bogolubsky Igor** (JINR)
 On gluon propagator and Gribov noise in Landau gauge gluodynamics
- 10.00 **Lyubovitsky Valery** (Tubingen, Germany)
 Nucleon structure in light-front quark model constrained by AdS/QCD
- 10.20 **Kompaniets Mikhail** (Saint Petersburg, Russia)
 Six-loop calculations of the critical exponent η in the ϕ^4 theory
- 10.40 **Shilin Vadim** (JINR)
 QCD inspired meson model and Swinger-Dyson equation for massless quark

Coffee break 11.00 – 11.30

Quantum chromodynamics at the large distances

Chairman V. Lyubovitsky

- 11.30 **Pervushin Victor** (JINR)
 Origin of masses in the Early Universe
- 11.50 **Nedelko Sergei** (JINR)
 Domain wall network as QCD vacuum and the chromomagnetic trap formation under extreme conditions
- 12.30 **Larin Sergey** (Moscow, Russia)
 QCD with massive gluons
- 12.50 **Solovtsova Olga** (Gomel, Belarus)
 Polarized nonsinglet Δq_3 and nonsinglet fragmentation function $D_{u_v}^{\pi^+}$ in the analytic approach to QCD

Break 13.10 – 15.00

September 17, Wednesday
 Blokhintsev Auditorium of BLTP JINR
 Parallel Session B

Relativistic heavy ion collisions

Chairman S. Kiselev

- 09.00 ***Feofilov Grigory*** (Saint Petersburg, Russia)
 Constraints on the percolation model from the anomalous centrality evolution data from Au-Au collisions at $\sqrt{s_{NN}} = 62$ and 200 GeV
- 09.20 ***Feofilov Grigory*** (Saint Petersburg, Russia)
 New Si-Vertex Detector for NA61
- 09.40 ***Andronov Evgeny*** (Saint Petersburg, Russia)
 Long range rapidity correlations between the transverse momentum and the multiplicities in light-nuclei collisions
- 10.00 ***Kovalenko Vladimir*** (Saint Petersburg, Russia)
 Long-range correlation studies at the SPS energies in MC model with string fusion
- 10.40 ***Drozhdzova Tatiana*** (Saint Petersburg, Russia)
 Determination of classes of events in multiplicity and its relevance to centrality in high energy Pb-Pb and p-Pb collisions in different MC models

Coffee break 11.00 – 11.30

Relativistic heavy ion collisions

Chairman G. Feofilov

- 11.30 ***Kolomeitsev Evgeni*** (Banska Bystrica, Slovakia)
 Multi-strangeness in heavy ion collisions
- 12.10 ***Yuldashev Bekhzod*** (JINR)
 Cumulative protons in hadron-nucleus and nucleus-nucleus interactions at high energies
- 12.30 ***Kokoulina Elena*** (JINR)
 Anomalous soft photons at Nuclotron nuclear beams
- 12.50 ***Kiselev Sergey*** (Moscow, Russia)
 Hadronic resonance production with ALICE at the LHC
- 13.10 ***Kolesnikov Vadim*** (JINR)
 Production of (anti)deuterons in heavy-ion collisions at SPS energies

Break 13.30 – 15.00

September 17, Wednesday
 Conference Hall of BLTP JINR
 Parallel Session A

Quantum chromodynamics at the large distances

Chairman A. Dorokhov

- 15.00 **Luchinsky Alexey** (Protvino, Russia)
 Hadronic production of heavy quarkonia at LHC
- 15.20 **Kaloshin Alexander** (Irkutsk, Russia)
 Mixing of fermions and spectral representation of propagator
- 15.40 **Kaltenborn Mark** (Memphis, USA)
 Exotic nuclear shapes in the pasta phase of matter in neutron stars
- 16.00 **Pozdnyakov Semyon** (Saint Petersburg, Russia)
 The 2 reggeons to 2 reggeon + particle effective vertex ($A_+ A_+ A_- A_- V_\nu$)
 in the Lipatov effective action formalism
- 16.20 **Pestov Ivanhoe** (JINR)
 The Dirac theory and confinement
- 16.40 **Koryukin Valery** (Yoshkar-Ola, Russia)
 On construction methods of the strong gravitation theory

Coffee break 17.00 – 17.30

Cumulative processes

Chairman S. Shimanskiy

- 17.30 **Litvinenko Anatoly** (JINR)
 Simulation of the reaction of deuteron fragmentation into cumulative
 and double cumulative pions
- 18.10 **Semak Artem** (Protvino, Russia)
 Production of cumulative particles and light nuclear fragments with big P_t
 outside the target fragmentation region in pA interactions with 50 GeV protons
- 18.30 **Romanov Dmitry** (Moscow, Russia)
 Experimental set-up MARUSYA-FLINT for the study of correlations in cumulative
 process at Nuclotron-M beams. Current status
- 18.50 **Gapienko Vladimir** (Protvino, Russia)
 Study of the nuclear matter in hard proton-nucleus and nucleus-nucleus collisions
 at the U70 accelerator (Proposal of experiment "FLUCTON")
- 19.20 **Kirin Dmitry** (Moscow, Russia)
 Neutron position sensitive detector
- 19.40 **End**

September 17, Wednesday
 Blokhintsev Auditorium of BLTP JINR
 Parallel Session B

Relativistic heavy ion collisions

Chairman B. Slowinski

- 15.00 **Toneev Vyacheslav** (JINR)
 Particularities of direct flow at the NICA energy range
- 15.40 **Parvan Alexandru** (JINR)
 Non-extensive statistics effects in transverse momentum spectra of charged particles in high-energy collisions
- 16.00 **Riabov Victor** (Gatchina, Russia)
 Recent results from PHENIX on jet suppression and direct photon production
- 16.20 **Kulikov Viacheslav** (Moscow, Russia)
 Light ions in carbon fragmentation at 0.3-2.0 GeV/n
- 16.40 **End**

Coffee break 17.00 – 17.30

Relativistic heavy ion collisions

Chairman V. Toneev

- 17.30 **Yukalov Vyacheslav** (JINR)
 Phase transition in multicomponent field theory at finite temperature
- 18.10 **Sadovsky Alexander** (Moscow, Russia)
 First indication of the triangular (v_3) and quadrangular (v_4) flow of light hydrogen isotopes in Au+Au collisions at $\sqrt{s_{NN}} = 2.4$ GeV
- 18.30 **Seryakov Andrey** (Saint Petersburg, Russia)
 A new look on signals of collective effects in AA and pA at LHC based on Modified Glauber Model
- 18.50 **Dubin Alexandr** (Wroclaw, Poland)
 Generalized Beth-Uhlenbeck approach for hadron matter
- 19.10 **End**

September 18, Thursday
 Conference Hall of BLTP JINR
 Plenary Session

Polarization phenomena, spin physics*

Chairman S. Gerasimov

- 09.00 ***Perdrisat Charles*** (Williamsburg/Virginia, USA)
 The form factors of the nucleons
- 09.40 ***Punjabi Vina*** (Norfolk, USA)
 Nucleon Form Factor Measurements with 12 GeV CEBAF at Jefferson Lab
- 10.00 ***Kobushkin Alexander*** (Kiev, Ukraine)
 Radiative corrections in polarization observables of elastic ep-scattering
- 10.20 ***Teryaev Oleg*** (JINR)
 From pion formfactor to exclusive Drell-Yan processes
- 10.50 ***Efremov Anatoly*** (JINR)
 Nucleon spin structure: today and tomorrow

Coffee break 11.20 – 11.50

Hadron spectroscopy, multiquarks

Chairman V. Kekelidze

- 11.50 ***Maggiore Marco*** (Turin, Italy)
 Highlights on BESIII results
- 12.20 ***Maggiore Marco*** (Turin, Italy)
 The PANDA Project at FAIR
- 12.50 ***Olsen Stephen*** (Daejeon, South Korea)
 A new hadron spectroscopy
- 13.30 ***Tomasi-Gustafsson Egle*** (Orsay, France)
 Are narrow unflavoured mesons a signature of new physics?

Break 13.50 – 15.00

* *Session in Honor of the 80th Anniversary of Professor Anatoly Efremov*

September 18, Thursday
 Conference Hall of BLTP JINR
 Parallel Session A

Hadron spectroscopy, multiquarks

Chairman P. Filip

- 15.00 **Tomasi-Gustafsson Egle** (Orsay, France)
 Light meson emission in (anti)proton induced reactions
- 15.20 **Gerasimov Sergo** (JINR)
 The structure of two lowest mass scalar meson multiplets derived by using a kind of the "inverse problem" approach
- 16.00 **Blaschke David** (Wroclaw, Poland)
 Cluster virial expansion for quark and nuclear matter
- 16.40 **Surovtsev Yury** (JINR)
 The effect of processes $\pi\pi \rightarrow \pi\pi, K\bar{K}, \eta\eta$ in decays of the Ψ - and Y -meson families

Coffee break 17.00 – 17.30

Hadron spectroscopy, multiquarks

Chairman D. Blaschke

- 17.30 **Ganbold Gurjav** (JINR)
 Meson mass spectrum and the Fermi coupling in the covariant confined quark model
- 17.50 **Barabanov Mikhail** (JINR)
 Perspective study of charmonium and exotics with hidden charm above $D\bar{D}$ threshold
- 18.10 **Lushchevskaya Elena** (Moscow, Russia)
 Light mesons in strong magnetic field on the lattice
- 18.30 **Trunin Anton** (JINR)
 Relativistic corrections to the pair B_c mesons production in proton-proton collisions
- 18.50 **Lyuboshitz Valery** (JINR)
 Femtoscopic correlations of two identical particles with nonzero spin in the model of one-particle multipole sources
- 19.10 **End**

September 18, Thursday
 Blokhintsev Auditorium of BLTP JINR
 Parallel Session B

Polarization phenomena, spin physics

Chairman V. Ladygin

- 15.00 **Anikin Igor** (JINR)
 Factorization theorem for semi-inclusive processes with transverse polarizations
- 15.20 **Uzikov Yury** (JINR)
 Polarized deuteron charge-exchange reaction $dp \rightarrow (pp)_s N \pi$ in the Δ -isobar region
- 15.40 **Temerbayev Azamat** (JINR)
 Spin observables of pd-scattering and test of T-invariance
- 16.00 **Serenkova Inna** (Gomel, Belarus)
 Identifying large extra dimensions in dilepton production at the Large Hadron Collider
- 16.20 **Chavleishvili Mikhail** (Dubna, Russia)
 Symmetry, small parameters and spin-particle reactions
- 16.40 **Musulmanbekov Genis** (JINR)
 Hyperon polarization in heavy ion collisions

Coffee break 17.00 – 17.30

Polarization phenomena, spin physics

Chairman Yu. Uzikov

- 17.30 **Glagolev Viktor** (JINR)
 Measurement of the charge exchange $np \rightarrow pn$ reaction by means of the deuteron beam
- 17.50 **Ladygin Vladimir** (JINR)
 Polarization effects in hadronic reactions in a GeV region
- 18.30 **Terekhin Arkadiy** (JINR)
 The differential cross section in the dp-elastic scattering at the energies from 500 to 1000 MeV/nucleon
- 18.50 **Kurilkin Pavel** (JINR)
 Investigation of the light nuclei spin structure from hadronic channels at Nuclotron
- 19.10 **Piyadin Semen** (JINR)
 Investigation of the dp-non-mesonic breakup reaction at 300-500MeV at Nuclotron
- 19.30 **Shindin Roman** (JINR)
 The $nd \rightarrow p+(nn)$ charge exchange forward reaction versus $np \rightarrow np$ elastic backward one
- 19.50 **End**

September 19, Friday
 Conference Hall of BLTP JINR
 Parallel Session A

Hadron spectroscopy, multiquarks

Chairman G. Lykasov

- 09.00 **Filip Peter** (Bratislava, Slovak Republic)
 Decay of hadronic resonances in strong magnetic field
- 09.20 **Kurilkin Aleksey** (JINR)
 Measurement of the quasi free $np \rightarrow n p \pi^+ \pi^-$ and $np \rightarrow p p \pi^- \pi^0$ reactions at 1.25 GeV with HADES
- 09.40 **Alikhanov Ibragim** (Baksan, Russia)
 The Glashow resonance in neutrino-nucleus scattering
- 10.00 **Kostenko Boris** (JINR)
 Possible observation of phase transitions in two-nucleon systems
- 10.20 **Lomov Vladimir** (Irkutsk, Russia)
 Loop mixing of the opposite parity fermion fields and its manifestation in πN scattering
- 10.40 **Linnyk Olena** (Giessen, Germany)
 Probing QCD matter with real and virtual photons

Coffee break 11.00 – 11.30

Structure functions of hadrons

Chairman Eu. Stefanovich

- 11.30 **Shebeko Oleksandr** (Kharkov, Ukraine)
 Clothed particles in mesodynamics, electrodynamics and other quantum field models
- 11.50 **Kotikov Anatoly** (JINR)
 Parton distributions and fragmentation functions at low x values
- 12.30 **Lykasov Gennady** (JINR)
 Search for exotic quark components in proton at hard p-p collisions
- 13.10 **Kosmachev Oleg** (JINR)
 On the possibility of tau-lepton oscillations
- 13.30 **Titov Alexandr** (JINR)
 Cumulative phenomena in scattering of an electron off a laser beam

Break 13.50 – 15.00

September 19, Friday
 Blokhintsev Auditorium of BLTP JINR
 Parallel Session B

Studies of exotic nuclei in relativistic beams

Chairman L. Majling

- 09.00 **Lukyanov Valery** (JINR)
 Medium effect on pion-nucleon amplitude in inelastic pion-nuclear scattering
- 09.20 **Dryablov Dmitry** (JINR)
 New status of the project "Eta-Nuclei" at the Nuclotron
- 09.40 **Artemenkov Denis** (JINR)
 Exposures of nuclear track emulsion to light radioactive nuclei, neutrons and heavy ions
- 10.00 **Kireyeu Viktor** (JINR)
 Study of Clusters and Hypernuclei production with NICA/MPD and BM@N experiments
- 10.20 **Mamatkulov Kahramon** (JINR)
 Fragmentation of relativistic nuclei ^{10}C in a nuclear track emulsion
- 10.40 **End**

Coffee break 11.00 – 11.30

Polarization phenomena, spin physics

Chairman V. Punjabi

- 11.30 **Sharov Vasily** (JINR)
 Measurement of the spin-dependent observables in the elastic NN collisions at NICA
- 12.00 **Mochalov Vasily** (Protvino, Russia)
 Polarization experiments with antiproton beam
- 12.30 **Zakharov Alexander** (Moscow, Russia)
 Exoplanet searches with gravitational microlensing: polarization aspects
- 13.00 **Silenko Alexander** (JINR)
 Phenomenological description of electromagnetic and strong interactions in rotating frames at collisions of high energy nuclei
- 13.30 **Goloskokov Sergey** (JINR)
 Pion pole and transversity effects in hard exclusive meson lepton production

Break 14.00 – 15.00

September 19, Friday
 Conference Hall of BLTP JINR
 Parallel Session A

Structure functions of hadrons

Chairman O. Teryaev

- 15.00 **Pacetti Simone** (Perugia, Italy)
 Hadron form factors in space-like and time-like regions: a review
- 15.40 **Strozik-Kotlorz Dorota** (JINR)
 Cut Mellin Moments approach and generalized DGLAP equations
- 16.00 **Sitnik Igor** (JINR)
 High precision measurements of cross-sections in $A(d,p)X$ reactions at small internal proton momenta
- 16.40 **Tarantin Nikolay** (JINR)
 New possibility of neutron generation for scientific and applied aims by fusion reactions of light nuclei

Coffee break 17.00 – 17.50

Plenary Session

Progress in experimental studies at the high energy accelerators

Chairman Ch. Perdrisat

- 17.50 **Skachkov Nikolay** (JINR)
 D0 measurements of the processes with the direct photons
- 18.10 **Bandurin Dmitry** (JINR)
 Recent D0 QCD results
- 18.40 **Verkheev Alexander** (JINR)
 Measurement of the differential cross sections of the processes with a direct photon and associated hadronic jet in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV
- 19.00 **Golovanov Georgy** (JINR)
 Double parton interactions at D0
- 19.30 **End**
- 20.00 Banquet** (VBLHEP Canteen)

Dubna, Russia
 Joint Institute for Nuclear Research

September 19, Friday
Blokhintsev Auditorium of BLTP JINR
Parallel Session B

Project NICA/MPD at JINR

Chairman A. Sorin

- 15.00 **Fedorišin Ján** (JINR)
Simulations of MPD straw end-cap tracker
- 15.40 **Geraksiev Nikolay** (JINR)
Feasibility of hyperon elliptic flow study
- 16.00 **Ilieva Mariya** (JINR)
A Monte Carlo study of the strange particle production at NICA/MPD
- 16.20 **Kushpil Vasilij** (Rez near Prague, Czech Republic)
Investigation of avalanche photo detectors in NPI Rez in frame of collaboration work with JINR in 2014
- 16.40 **Strelchenko Maxim** (JINR)
Implementation of a cellular automaton method for track reconstruction in the inner tracking system of MPD
- 17.00 **Yordanova Lyubka** (JINR)
Feasibility Study of Φ (1020) Production at NICA/MPD

Coffee break 17.20 – 17.50

20.00 Banquet (VBLHEP Canteen)

September 20, Saturday
Conference Hall of BLTP JINR
Plenary Session

Progress in experimental studies at the high energy accelerators

Chairman E. Tomasi-Gustafsson

- 09.00 **Malakhov Alexander** (JINR)
Self-similarity in the description of inclusive spectra of hadrons produced in pp- and AA- collisions
- 09.20 **Shimanskiy Stepan** (JINR)
The study of cold dense baryonic matter and multi-quark configurations in processes with high pT
- 10.00 **Kukhtin Victor** (JINR)
Spin physics experiments at NICA-SPD with polarized proton and deuteron beams
- 10.40 **Belushkin Alexander** (JINR)
Magnetic biosensors and impact of neutron scattering for their development

Break 11.20 – 11.30

- 11.30 **Korenev Sergey** (Siemens, Knoxville, USA)
Accelerator systems for the production of medical isotopes
- 12.10 **Oganessian Yuri** (JINR)
Nuclei at the end of nuclear map
- 12.50 **Burov Valery, Malakhov Alexander** (JINR)
Closing

13.00 Coffee