

Updated: July 7, 2012

Wednesday, July 4	
11:00	Registration
11:50	Workshop Opening
	Chair: L. Lipatov
12:00	A. Vorobyov (PNPI) "PNPI status and future"
12:30	A. Serebrov (PNPI) "Neutron electric dipole moment at PNPI: research status"
13:00-14:00	Lunch
	Chair: S. Dubnicka
14:00	A. Huettmann (DESY / ZEUS Coll.) "Searches for physics beyond the Standard Model at ZEUS"
14:30	M. Schmelling (MPI / LHCb Coll.) "LHCb overview"
15:00	A. Bursche (Zurich U.) "QCD and electroweak measurements at LHCb"
15:30	Yu. Scheglov (PNPI) "Bs -> mu+mu at LHCb"
15:50-16:10	Coffee-break
	Chair: M. Schmelling
16:10	L. Bellagamba (INFN / ATLAS Coll.) "Studies of top quark production in ATLAS"
16:40	L. Gladilin (MSU SINP & JINR / ATLAS Coll.) "Inclusive b/c production at ATLAS"
17:10	E. Kuznetsova (DESY / CMS Coll.) "Low-pT and diffraction physics at CMS"
17:40	P. Staroba (IP ASCR, Prague / ATLAS Coll.) "Forward energy flow and diffraction at ATLAS"
18:10	D. Evans (Birmingham U. / ALICE Coll.) "Recent results from the ALICE experiment at the CERN LHC"
18:40-19:30	Dinner
19:30	Departure for hotels

Thursday, July 5

Chair: D. Ross

09:30 [L. Lipatov \(PNPI, Gatchina\) "Effective actions for high energy scattering in QCD and gravity"](#)

09:50 A. Sabio Vera (UA Madrid & CSIC) "Scattering amplitudes in gauge theories and gravity"

10:10 [E. Levin \(Tel Aviv U. & UTFSM\) "BFKL Pomeron calculus: summing enhanced diagrams"](#)

10:30 [Ya. Azimov \(PNPI\) "What is the real meaning of Froissart's theorem?"](#)

10:50 J. Bartels (Hamburg U.) "BKP kernels at NLO"

11:10-
11:30 Coffee-break

Chair: E. Levin

11:30 V. Fadin (INP, Novosibirsk) "Kernel of the BFKL equation for the adjoint representation in the next-to-leading order"

11:50 I. Balitsky (Old Dominion U. & JLAB) "NLO photon impact factor for the BFKL pomeron"

12:10 D. Ross (Southampton U.) "The BFKL Equation as a Communicator between High and Low Energy Scales"

12:30 M. Ryskin (PNPI) "Optimal factorization scale for Drell-Yan processes"

12:50 M. Ryskin (PNPI) "Infrared contribution in parton analysis"

13:10-
14:00 Lunch

Chair: D. Diakonov

14:00 A. Yung (PNPI) "r-Duality and "Instead-of-Confinement" mechanism in N=1 Supersymmetric QCD"

14:30 V. Petrov (PNPI) "A theory of baryon resonances at large N_c , or Quark Nuclear Physics"

15:00 A. Sarantsev (PNPI) "Status of Bonn-Gatchina partial wave analysis"

15:20-
15:40 Coffee-break

Chair: V. Petrov

Chair: Yu. Shabelski

15:40 D. Watts "Meson spectroscopy program at CLAS and CLAS12"

M. Ivanov (JINR) "Exclusive decays of charm and bottom hadrons in the covariant quark model"

16:10 E. Golovach (SINP MSU / CLAS Coll.) "The $\pi+\pi$ -photoproduction off protons in the resonance region with CLAS"

[F. Buccella \(INFN, Napoli\) "Theoretical foundation of the quantum statistical approach to parton distributions"](#)

16:40 [Ya. Azimov \(PNPI\) "Interference of resonances and observation of Theta-pentaquark"](#)

[A. Liptaj \(IP SAS, Bratislava\) "Covariant constituent quark model"](#)

17:00 [V. Kuznetsov \(PNPI\) "Evidence for Narrow Nucleon Resonance \$N^*\(1685\)\$ "](#)

V. Sazonov (Graz U. & SPbSU) "Chiral symmetry breaking and the spectrum of the heavy-light mesons in the t'Hooft model"

17:20 [V. Sumachev \(PNPI / EPECUR Coll.\) "Experiment EPECUR: first results"](#)

[A. Semenova \(PNPI\) "Simple tree amplitudes for interaction of \$\pi\$ -, K-mesons and nucleons in composite superconformal string model"](#)

17:40 [G. I. Lykasov \(JINR\) "Intrinsic charm and beauty in proton and p-p collisions at LHC"](#)

[Yu. Goncharov \(SPbSPU\) "Quark confinement mechanism for baryons"](#)

Chair: M. Albrow

18:00-
18:30 [C. Pizio \(Milano U. & INFN / ATLAS Coll.\) "Search for the Standard Model Higgs Boson with the ATLAS detector"](#)

18:30-
19:30 Dinner

19:30 Departure for hotels

Friday, July 6	
	Chair: A. Serebrov
09:30	D. Cronin-Hennessey (Minnesota U. / MINOS Coll.) "Recent Results From MINOS"
10:00	V. Vorobel (Charles U. / Daya Bay Coll.) "Observation of electron-antineutrino disappearance at Daya Bay"
10:30	I. Yu (Sungkyunkwan U. / RENO Coll.) "Observation of Reactor Antineutrino Disappearance at RENO"
11:00-11:20	Coffee-break
	Chair: Yu. Kudenko
11:20	Y. Nishimura (ICRR, Tokyo University / T2K Coll.) "The latest T2K results"
11:50	A. Serebrov (PNPI / Neutrino4 Coll.) "NEUTRINO4: Search for sterile neutrino"
12:20	A. Derbin (PNPI / Borexino Coll.) "BOREXINO: Solar and sterile neutrino"
12:50-14:00	Lunch
	Chair: A. Vorobyov
14:00	F. von Feilitzsch (TU Muenchen / LENA Coll.) "Low Energy Neutrino Astronomy, LENA: a large scintillation detector for neutrino astronomy"
14:30	Yu. Kudenko (INR RAS) "Long baseline neutrino experiments: recent results and future program"
15:00	C. Maiani (CEA, Saclay / ATLAS Coll.) "Measurement of diboson production in ATLAS"
15:30	M. Albrow (Fermilab / CDF Coll. / CMS Coll.) "Exclusive production in ppbar at the Tevatron and pp collisions at the LHC"
16:00-16:20	Coffee-break
	Chair: A. Malakhov
	Chair: G. Pivovarov
16:20	V. Schegelsky (PNPI) "Two-particle correlations and the choice of reference sample"
16:40	M. Tokarev (JINR) "Self-similarity of jet production at LHC"
17:00	D. Strozik-Kotlorz (Opole U. of Technology) "QCD evolution equations for truncated Mellin moments of the parton distributions"
17:20	S. Shimanskiy (JINR) "Puzzle of $p_T \sim 2$ GeV/c anomaly"
17:40	T. Vasiliev (JINR) "High p_T particles production at Nuclotron and FAIR"
18:00	M. Nefedov (Samara S.U.) "Angular Distributions of Drell-Yan Dileptons in the Parton Reggeization Approach"
18:15	A. Kudryavtsev (PNPI) "Elimination of parity doublets for baryons in composite superconformal string model"
18:30	A. Tarasov (SPbSU) "BFKL pomeron in the external field of the nucleus in (2+1)-dimensional QCD"
18:30	Departure to the Gatchina Pavel Palace
18:40	The Gatchina Pavel Palace: Concert & Workshop Reception
21:30	Departure for hotels

Saturday, July 7

Chair: A. Dubnickova

10:30 [S. Dubnicka \(IP SAS, Bratislava\) "f₀\(600\) scalar meson parameters by pion scalar form factor analysis"](#)

11:00 [E. Tomasi-Gustafsson \(IPN, Orsay\) "Modeling Hadron Electromagnetic Form factors"](#)

11:30 [E. Kuraev \(JINR\) "Production of one and two vector mesons in peripheral collisions of heavy ions"](#)

11:50-
12:10 Coffee-break

Chair: N. Zotov

12:10 [Yu. Shabelski \(PNPI\) "Elastic pp Scattering at LHC Energies"](#)

12:30 [G. Pivovarov \(INR RAS\) "New perturbation theory for gauge theories"](#)

12:50 [D. Kharzeev \(Stony Brook U. & BNL\) "Chiral hydrodynamics of QCD matter"](#)

13:20-
14:30 Lunch

Chair: E. Tomasi-Gustafsson

Chair: M. Tokarev

14:30 [Yu. Surovtsev \(JINR\) "Parameters of the fo mesons from a combined model-independent analysis of the multichannel pion-pion scattering and J/psi decays"](#)

[D. Dryablov \(JINR\) "Search for eta-mesonic nuclei at JINR"](#)

14:50 [E. Bartos \(IP SAS, Bratislava\) "An improved model of electromagnetic structure of hyperons"](#)

[Yu. Gurchin \(JINR\) "dp elastic scattering at 880 and 1000 MeV at Nuclotron"](#)

15:10 [C. Adamuscin \(IP SAS, Bratislava\) "Analysis of the annihilation process p⁺ anti p -> pi⁰ + e⁻ + e⁺"](#)

[S. Pyadin \(JINR\) "New dp- non-mesonic breakup data from Nuclotron"](#)

15:30 [V. Kim \(PNPI\) "Search for extra-dimension graviton in forward jets at the LHC"](#)

[P. Kurilkin \(JINR\) "dp elastic scattering at 2.5 GeV with HADES"](#)

15:50 [G. Volkov \(PNPI\) "Extra dimensions and neutrino"](#)

[A. Kurilkin \(JINR\) "Double pion production in np and pp collisions at 1.25 GeV with HADES"](#)

16:10-
16:30 Coffee-break

16:30 Departure for hotels and downtown

Sunday, July 8

	Chair: V. Rossetti	Chair: V. Cavalanni
10:30	<u>A. Malakhov (JINR) "Asymptotic Properties of the Nuclear Matter"</u>	S. Livermore (Oxford U. / ATLAS Coll.) "Search for $t\bar{t}$ resonances and fourth generation quarks at ATLAS"
11:00	V. Riabov (PNPI / PHENIX Coll.) "Low energy scan at PHENIX"	M. Shapkin (IHEP / LHCb Coll.) "Hadron spectroscopy at the LHCb"
11:30	D. Ivanishchev (PNPI / ALICE Coll.) "Ks-mesons production in ultrarelativistic nuclear collisions"	<u>V. Murzin (PNPI / CMS Coll.) "Forward jets at CMS"</u>
11:50	<u>I. Denysenko (JINR / BES-III Coll.) "Recent results of the BES-III experiment"</u>	
12:10-12:30	Coffee-break	
	Chair: V. Kim	
12:30	J. Garcia Navarro (IFIC-Valencia / ATLAS Coll.) "ATLAS measurements of W and Z production and constraints on proton structure"	
13:00	<u>V. Cavalanni (INFN & Pisa U.) "Jet Physics in the ATLAS experiment"</u>	
13:30	V. Rossetti (IFAE-Barcelona / ATLAS Coll.) "Searches for new physics using jets at ATLAS"	
14:00	V. Oreshkin (PNPI / CMS Coll.) "QCD highlights from CMS"	
14:20	Workshop Closing	
14:20-15:20	Lunch at Gatchina downtown	
15:20	Departure for hotels	