

# List of participants of DUBNA-SPIN-07,

## September 3 – 7, 2007

| Name, Institution,<br>Town, Country   | e-mail address            | Title of talk  |
|---|---------------------------|--|
| <b>1. Abramov Victor Vladimirovich</b> (IHEP, Protvino, Russia)                             | Victor.Abramov@ihep.ru    | Single spin effects in collisions of hadrons and heavy ions  |
| <b>2. Alekseev Igor</b> (ITEP, Moscow, Rus.)  | igor.alekseev@itep.ru     | Polarimetry of the proton beams at RHIC  |
| <b>3. Alexakhin Vadim</b> (JINR, LPP, Dubna, Russia)  | alex@sunse.jinr.ru        | Polarization of Lambda and anti-Lambda hyperons in deep-inelastic scattering at COMPASS (on behalf of the COMPASS Coll.) |
| <b>4. Alikhanov Ibragim</b> (St. Petersburg State Univ., Russia)                            | ialspbu@yandex.ru         | Transverse \Lambda polarization in quasi real photoproduction at high energies: Quark Recombination Model                |
| <b>5. Artru Xavier</b> (Inst. de Phys. Nucl. de Lyon & Univ. Lyon -1, Villeurbanne, France) | x.artru@ipnl.in2p3.fr     | Positivity domains for spin observables. Classical and quantum constraints   |
| <b>6. Azhgirey Leonid</b> (JINR, LPP, Dubna, Russia)  | azhgirey@jinr.ru          | Observation of tensor polarization of deuteron beam traveling through matter   |
| <b>7. Bedfer Yann</b> (CEA, Gif/Yvette, France)   | Yann.Bedfer@cern.ch       | \Delta G/G at COMPASS  |
| <b>8. Belostotski Stanislav</b> (PNPI, Gatchina, Russia)                                    | belostot@mail.desy.de     | Recent results from HERMES   |
| <b>9. Bogdanov Aleksei</b> (MEPI, Moscow Russia)  | Asp9702@nm.ru             | The first results on the spin asymmetries in elastic pp scattering at $\sqrt{s}=200$ GeV and small t at RHIC             |
| <b>10. Borissov Alexander</b> (DESY, Hamburg, Germany)                                      | borissov@tifh.de          | New results of exclusive $\rho^0$ and $\phi$ meson production at HERMES  |
| <b>11. Brona Grzegorz</b> (Univ. of Warsaw, Poland)   | Grzegorz.Brona@fuw.edu.pl | NO   |
| <b>12. Bunce, Gerry</b> (BNL, Brookhaven, USA)  | bunce@bnl.gov             | Recent Results from the RHIC Spin Program  |
| <b>13. Burinskii Alexander</b> (NSI, Moscow, Russia)  | bur@tibrae.ac.ru          | Kerr's Geometry Indicates Compton Size of Extended Electron  |
| <b>14. Chen Ye</b> (Shandong Univ.China)  | yerchen@mail.sdu.edu.cn   | Spin structure of nucleon and anti-hyperon polarization in high energy pp collision with polarized beams                 |
| <b>15. Cherednikov Igor</b> (JINR, Dubna, Russia)   | igor.cherednikov@jinr.ru  | Gauge-invariance and RG effects in TMD PDF's (preliminary)   |

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| <b>16. Chernitskii Alexander A.</b> (Univ. of Eng.&Econ., St. Petersburg, Russia)      | Alexandr.chernitskii@engec.ru   | Electromagnetic wave-particle with spin and magnetic moment  |
| <b>17. Chetvertkova Vera</b> (MSU, Moscow, Russia)                                     | tcheATrambler.ru                | Relativistic transformation of proton and muon polarization vectors from decays $\Lambda \rightarrow p + \pi^-$ , $\pi^- \rightarrow \mu + \nu$ and their practical applications |
| <b>18. Christova Ekaterina</b> (Inst. of Nucl. Res. and Nucl. Energy, Sofia, Bulgaria) | echristo@tinrne.bas.bg          | About $s\bar{s}$ and $D_d^{\pm} K^{\mp} K^{\pm}$ in $K^{\pm}\mu\mu$ production in SIDIS  |
| <b>19. Crabb Donald G.</b> (Univ. of Virginia, Charlottesville, USA)                   | dgc3q@galileo.phys.virginia.edu | Solid Polarized Targets  |
| <b>20. d'Hose Nicole</b> (CEA Saclay, France)  | nicole.dhose@cea.fr             | GPD studies at COMPASS   |
| <b>21. Dodge Gail</b> (Old Dominion Univ. Norfolk, USA)                                | dodge@physics.odu.edu           | Spin Physics with CLAS   |
| <b>22. Dorokhov Alexander</b> (JINR, Dubna, Russia)                                    | Dorokhov@theor.jinr.ru          | Production of Polarized Vector Mesons (preliminary title)  |
| <b>23. Dunlop James</b> (BNL, Brookhaven, USA)   | dunlop@bnl.gov                  | Recent results from STAR on the source of the spin of the proton   |
| <b>24. Efremov Anatoly</b> (JINR, Dubna, Russia)                                       | efremov@theor.jinr.ru           | Sivers and Collins Single Spin Asymmetries   |
| <b>25. Ermolaev Boris</b> (Ioffe PTI, St. Petersburg, Russia)                          | boris.ermolaev@cern.ch          | Model-independent QCD description of the spin structure function $g_1$ at arbitrary $x$ and arbitrary $Q^2$  |
| <b>26. Filatov Yury</b> (JINR, Dubna, Russia)  | yuriifilatoff@mail.ru           | The possibility to accelerate polarized $p$ , $d$ , $t$ , $^3He$ beams at the JINR nuclotron   |
| <b>27. Finger Miroslav</b> (JINR, Dubna, Russia)                                       | finger@nusun.jinr.ru            | NO   |
| <b>28. Finger Michael</b> (JINR, Dubna, Russia)  | michael.finger@cern.ch          | NO   |
| <b>29. Gasimova Rasmiyya</b> (Nakhchivan Univ Azerbaijan)                              | Gasimova@yahoo.co.uk            | NO   |
| <b>30. Gerasimov Sergo</b> (JINR, Dubna, Russia)                                       | gerasb@theor.jinr.ru            | Forward Dispersion Relations for Compton Scattering and FESR for Nucleons and Light Nuclei: New Results  |
| <b>31. Ginzburg Ilja</b> (IMSBRAN Novosibirsk, Russia)                                 | ginzburg@math.nsc.ru            | Charge asymmetry of leptons in $\gamma\gamma \rightarrow e^+e^-$ in collision of polarized photons   |
| <b>32. Glagolev Victor</b> (JINR, LHE, Dubna, Russia)                                  | glagolev@tsunhe.jinr.ru         | NO   |

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| <b>33. Goloskokov Sergey</b><br>(JINR, Dubna, Russia)                              | goloskkvAT jinr.ru                     | Electroproduction of light vector mesons.  |
| <b>34. Grigoriev Alexander</b><br>(MSU Moscow, Russia)                             | ax.grigorievATmail.ru                  | NO   |
| <b>35. GrossePerdekamp Matthias</b><br>(Univ. of Illinois, Upton, USA)             | matthiasATbnl.gov                      | Measurement of Collins Asymmetries in $e^+e^-$ -Annihilation at the KEK B-Factory                            |
| <b>36. Hoek Matthias</b><br>(Univ. of Glasgow, UK)                                 | m.hoekAT physics.gla.ac.uk             | PANDA at FAIR -- Using anti-protons to study QCD   |
| <b>37. Huseynov Vali</b><br>(Nakhchivan Univ Azerbaijan)                           | VgusseinovAT yahoo.com                 | Asymmetry in heating of charged leptons and antileptons by neutrinos in a strongly magnetized thermal plasma |
| <b>38. Isayev Alexander</b><br>(Kharkov IPhT, Ukraine)                             | isayev@mail15.com                      | Spin polarization phenomena in dense nuclear matter  |
| <b>39. Ivanov Dmitry</b><br>(IMSBRAN Novosibirsk, Russia)                          | d-ivanovATmath.nsc.ru                  | Dispersion representations for hard exclusive processes  |
| <b>40. Ivanov Igor</b><br>(Univ. de Liege, Belge)                                  | Igor.IvanovATulg.ac.be                 | \rho-3 production in diffractive DIS   |
| <b>41. Ivanov Oleg</b><br>(JINR, Dubna, Russia)                                    | ivonATjinr.ru                          | Research on Drell-Yan and J/Psi physics at J-PARC and COMPASS  |
| <b>42. Jenkovszky Laszlo</b><br>(IthP, Kiev, Ukraine)                              | jenkATbitp.kiev.ua                     | Vector meson electroproduction and DVCS with spin  |
| <b>43. Kiselev Anton</b><br>(JINR, LHE, Dubna, Russia)                             | antonyAThe.jinr.ru                     | Vector and tensor analyzing powers in $^{12}C(d,p)^{13}C$ reaction at energy $T_d = 270$ MeV                 |
| <b>44. Kiselev Yury</b><br>(CERN, Geneve, Switzerland)                             | yury.kiselevATcern.ch                  | New nonlinear magnetic phenomena in highly Polarized Target Materials  |
| <b>45. Kivel Nikolai</b><br>(Ruhr Uni. Bochum, Germany)                            | Nikolai.KivelAT tp2.ruhr-uni-bochum.de | Breakdown of chiral expansion for parton distributions   |
| <b>46. Klimaszewski Konrad</b><br>(Soltan Inst. for Nucl. Studies, Warsaw, Poland) | Konrad.KlimaszewskiAT fuw.edu.pl       | \Delta G from high pT events at COMPASS  |
| <b>47. Koerner Jurgen</b><br>(Univ. of Mainz, Germany)                             | koernerAThep.physik.uni-mainz.de       | Polarization effects in $e^+e^- \rightarrow t\bar{t}$ at $O(\alpha_s)$                                       |
| <b>48. Korotkov Vladislav</b><br>(IHEP, Protvino, Russia)                          | Vladislav.KorotkovAT ihep.ru           | Transverse Spin Physics at HERMES  |
| <b>49. Kotikov Anatoly</b><br>(JINR, Dubna, Russia)                                | KotikovATtheor.jinr.ru                 | NO   |

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| <b>50. Kubarovsky Valery</b><br>(Jlab, Newport News, USA)                    | vpkATjlab.org                            | Deeply Virtual Compton Scattering and Meson Production at Jlab  |
| <b>51. Kurilkin Aleksey</b><br>(JINR LHE, Dubna, Russia)                     | akurilATsunhe.jinr.ru                    | The angular distributions of the vector and tensor analyzing powers in the dd->3Hp reaction at 200 MeV  |
| <b>52. Kurilkin Pavel</b><br>(JINR LHE, Dubna, Russia)                       | pkurilATsunhe.jinr.ru                    | Angular distribution of vector and tensor analyzing powers in dp elastic scattering at energy 880 MeV   |
| <b>53. Ladygin Vladimir</b><br>(JINR, Dubna, Russia)                         | ladyginATsunhe.jinr.ru                   | Spin physics at Nuclotron-M   |
| <b>54. Lednický Richard</b><br>(JINR, Dubna, Russia)                         | lednický@fzu.cz                          | Opening   |
| <b>55. Lykasov Gennadi</b><br>(JINR, Dubna, Russia)                          | lykasovATjinr.ru                         | Polarization phenomena in elastic backward P-D scattering   |
| <b>56. Lyuboshitz Valery</b><br>(JINR, LHE, Dubna, Russia)                   | Valery.LyuboshitzATjinr.ru               | Spin structure of the "forward" charge-exchange reaction n + p -> p + n and the deuteron charge-exchange breakup d + p->(pp)+ n                                   |
| <b>57. Lyuboshitz Vladimir</b><br>(JINR, LHE Dubna, Russia)                  | LyuboshATsunhe.jinr.ru                   | NO  |
| <b>58. Meissner Stephan</b><br>(Ruhr-Univ. Bochum, Germany)                  | stephan.meissnerATtp2.ruhr-uni-bochum.de | Relations between GPDs and TMDs: model results and beyond   |
| <b>59. Mochalov Vasily</b><br>(IHEP, Protvino, Russia)                       | mochalovATihep.ru                        | NO  |
| <b>60. Morozov Alexey</b><br>(JINR, LHE, Dubna, Russia)                      | morozovATsunhe.jinr.ru                   | The Ratio R_{dp} of the Quasi-elastic nd -> (nn) p to the Elastic np ->np Charge-exchange Differential Cross Sections Over the 1.0 - 1.2 GeV Neutron Beam Energy. |
| <b>61. Mueller Dieter</b><br>(Ruhr-University Bochum, Germany)               | dieter.muellerATphysik.uni-regensburg.de | Towards a fitting procedure for deeply virtual Compton scattering   |
| <b>62. Musulmanbekov Genis</b><br>(JINR, Dubna, Russia)                      | genis@jinr.ru                            | Spin effects predicted by the strongly correlated quark model   |
| <b>63. Nassalski Jan</b><br>(Soltan Inst. for Nucl. Studies, Warsaw, Poland) | jan.nassalskiATfuw.edu.pl                | NO  |
| <b>64. Naumov Dmitry</b><br>(JINR, Dubna, Russia)                            | naumovATnusun.jinr.ru                    | Longitudinal Polarization of Lambda and anti-Lambda Hyperons in Lepton-Nucleon Deep-Inelastic Scattering  |
| <b>65. Neznamov Vasily Petrovich</b><br>(RFNC, Sarov, Russia)                | Neznamov@vniiief.ru                      | Foldy-Wouthuysen Approach to the Standard Model Construction Without Yukawa Couplings   |
| <b>66. Nikolenko Dmitri</b><br>(Inst. for Nucl. Phys., Novosibirsk, Russia)  | nikolenkoATinp.nsk.su                    | Two - photon exchange and elastic scattering of electrons/positrons on the proton.  |
| <b>67. Novikova Valentina</b><br>(JINR, Dubna, Russia)                       | valentinaATjinr.ru                       | NO  |

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| <b>68. Nurushev Sandibek</b> (IHEP, Protvino, Russia)                           | nurushevATihep.ru        | The comparative study of the inclusive $\pi^0$ analyzing power in reactions $pp(\uparrow) \rightarrow \pi^0 X$ and $\pi^-(\uparrow) \rightarrow \pi^0 X$ at 50 and 40 GeV respectively |
| <b>69. O'Brien Donie</b> (Trinity Coll. Dublin, Ireland)                        | donieATmaths.tcd.ie      | Polarization buildup by spin filtering in storage rings  |
| <b>70. Okorokov Vitaly</b> (MEPhI, Moscow, Russia)                              | OkorokovATbnl.gov        | Elastic proton-proton and proton-antiproton scattering: analysis of complete set of helicity amplitudes  |
| <b>71. Panebrattsev Yuri</b> (JINR, Dubna, Russia)                              | panebratATsunhe.jinr.ru  | NO   |
| <b>72. Pankov Alexander</b> (Gomel Techn. Univ. Belarus.)                       | pankovATictp.it          | Contact Interaction Searches at $e^+e^-$ International Linear Collider: Role of Polarization   |
| <b>73. Pasechnik Roman</b> (JINR, Dubna, Russia)                                | rphasechATtheor.jinr.ru  | Double diffractive production of mesons and spin effects   |
| <b>74. Perevalova Ekaterina</b> (JINR LPP, Dubna, Russia)                       | perevalATsunse.jinr.ru   | NO   |
| <b>75. Pilipenko Yuri</b> (JINR, Dubna, Russia)                                 | pilipenATsunhe.jinr.ru   | NO   |
| <b>76. Piskunov Nikolay</b> (JINR, Dubna, Russia)                               | piskunovATsunhe.jinr.ru  | NO   |
| <b>77. Plis Yuri</b> (JINR, Dubna, Russia)                                      | plisATnusun.jinr.ru      | Lamb Shift Polarimeter for a Helium-3 Ion Beam   |
| <b>78. Prokudin Alexei</b> (Univ. Torino, Italy)                                | prokudinATto.infn.it     | Transversity and Collins functions from SIDIS and $e^+e^-$ data  |
| <b>79. Ramilli Marco</b> (Univ. Insubria, Como, Italy)                          | marco.ramilliATgmail.com | Dominant contributions in pion-production single-spin asymmetries  |
| <b>80. Ramsey Gordon</b> (Loyola Univer. Chicago, USA)                          | gprAThep.anl.gov         | Spin-Orbit Dynamics from the Gluon Asymmetry   |
| <b>81. Runtso Mikhail Fedorovich</b> (MEPhI, Moscow, Russia)                    | mfruntsoATEmail.mephi.ru | The Analysis of Elastic $p\bar{p}$ Scattering in the Forward Direction for PAX Experiment Energy Range   |
| <b>82. Sandacz Andrzej</b> (Soltan Inst. for Nucl. Studies, Warsaw, Poland)     | sandaczATfuw.edu.pl      | NO   |
| <b>83. Santos Helena</b> (Lab. de Instr.&Fis. Exper. de Part. Lisboa, Portugal) | helenaATlip.pt           | COMPASS results on inclusive and semi-inclusive polarised DIS  |
| <b>84. Samoylov Oleg</b> (JINR LNP, Dubna, Russia)                              | samoylovATnusun.jinr.ru  | NO   |

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| <b>85. Sapozhnikov<br/>Mikhail</b> (JINR<br>LPP, Dubna, Russia)        | sapozhATsunse.jinr.ru         | NO  |
| <b>86. Savin Igor</b><br>(JINR, Dubna, Russia)                         | savinATsunse.jinr.ru          | The modified method of the analysis of azimuthal asymmetries in SIDIS production of hadrons   |
| <b>87. Selyugin Oleg</b><br>(JINR,Dubna,Russia)                        | seluginATtheor.jinr.ru        | GPDs and Nucleon Form factors   |
| <b>88. Sharov Vasiliy</b><br>(JINR, Dubna,<br>Russia)                  | sharovATsunhe.jinr.ru         | The ratio R_dp of the quasi-elastic and p(nn) to the elastic pn charge-exchange process yields at 0 deg over 0.5-2.0 GeV neutron beam energy region.  |
| <b>89. Shikhalev Maxim</b><br>(JINR LHE, Dubna,<br>Russia)             | max.shikhalevAT<br>gmail.com  | Optical potential model for the elastic $\vec{d}p$ scattering at intermediate energies  |
| <b>90. Shimanskiy<br/>Stepan</b> (JINR, LHE,<br>Dubna, Russia)         | shimanskATsunhe.jinr.ru       | Polarization physics at the high \$p_T\$ region on the JINR LHE acceleration complex  |
| <b>91. Shindin Roman</b><br>(JINR, LHE, Dubna,<br>Russia)              | shindinATsunhe.jinr.ru        | Determination of the FLIP and NON-FLIP parts of nucleon-nucleon scattering in the elastic Charge-Exchange reaction at 0 degree over the energy region Tn = 0.55 - 2.0 GeV   |
| <b>92. Sidorov<br/>Alexander</b> (JINR,<br>Dubna, Russia)              | sidorovATtheor.jinr.ru        | Status of Polarized PDFs and Higher Twist after the COMPASS and CLAS data   |
| <b>93. Silenko Alexander</b><br>(INP, Belarusian State<br>Univ, Minsk) | silencoATinp.minsk.by         | Tensor magnetic polarizability of the deuteron in storage-ring experiments  |
| <b>94. Sitnik Igor</b><br>(JINR, LHE, Dubna,<br>Russia)                | sitnikATsunhe.jinr.ru         | NO  |
| <b>95. Sivers Dennis</b><br>(Portland Phys. Inst.<br>USA)              | densiversATsivers.com         | Quark Orbital Structures From the Weyl-Dirac Equation In SU(2) Gauge Theory   |
| <b>96. Soffer<br/>Jacques</b> (Temple Univ.<br>Philadelphia, USA)      | jacques.sofferAT<br>Gmail.com | Nucleon Spin Structure and QCD Spin Physics   |
| <b>97. Strokovsky<br/>Eugene</b> (JINR, LPP,<br>Dubna, Russia)         | strokatunse.jinr.ru           | NO  |
| <b>98. Strunov<br/>Leonid</b> (JINR, LHE,<br>Dubna, Russia)            | strunovATsunhe.jinr.ru        | Polarized measurements of energy dependences of the complete set of np observables at 1-6 GeV monochromatic neutron beams from the Nuclotron and direct reconstruction of the isosinglet NN-amplitudes of forward elastic scattering - for a search signals of phase transition of NN to 6-quarks |
| <b>99. Studenikin<br/>Alexander Iv.</b> (MSU,<br>Moscow, Russia)       | studenikATsrd.sinp.msu.<br>ru | Spin effects for neutrinos and electrons moving in dense matter   |
| <b>100. Svirida<br/>Dmitry</b> (ITEP,<br>Moscow, Russia)               | Dmitry.SviridaATitep.ru       | Asymmetry Measurement in Elastic $\pi^+p$ Scattering at 0.8 GeV/c   |

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| <b>101. Teryaev Oleg</b><br>(JINR, Dubna, Russia)       | teryaevATtheor.jinr.ru           | Sivers function: from small to large transverse momenta   |
| <b>102. Tikhonin Fedor</b><br>(IHEP, Protvino, Russia)  | feodor.tikhoninATmail.ihep.ru    | Probing the anomalous triple gauge coupling with polarized electron-positron beams                            |
| <b>103. Tkatchev Leonid</b> (JINR, Dubna, Russia)       | tkatchevATnusun.jinr.ru          | NO  |
| <b>104. Troshin Sergey</b> (IHEP, Protvino, Russia)     | troshinATihep.ru                 | Orbital angular momentum effects in the anisotropy v_2 in hadron production                                   |
| <b>105. Varanda Maria</b> (DESY, Hamburg, Germany)      | mvarandaATmail.desy.de           | Recent Hermes Results on the Quark Helicity structure of the Nucleon  |
| <b>106. Vasiliev Alexander</b> (IHEP, Protvino, Russia) | vasilievATmx.ihep.su             | New polarization program in Protvino  |
| <b>107. Vasiliev Taras</b> (JINR, LHE, Dubna, Russia)   | tavasilievATjinr.ru              | Measurements of Ayy, Axx and Ay analyzing powers of triton fragmentation in d(vect{d},p) reaction at 270 MeV  |
| <b>108. Veretennikov Denis</b> (DESY, Hamburg, Germany) | denis_vATmail.desy.de            | Lambda polarization in photoproduction at HERMES  |
| <b>109. Vilardi Ignazio</b> (Univ. of Bari, Italy)      | Ignazio.VilardiATba.infn.it      | HERMES Recoil Detector  |
| <b>110. Wakamatsu Masashi</b> (Osaka Univ. Japan)       | wakamatuATphys.sci.osaka-u.ac.jp | Comparative analysis of transversities and the longitudinally polarized distribution functions of the nucleon |
| <b>111. Zemlyanichkina Elena</b> (JINR, Dubna, Russia)  | elenazemATsunse.jinr.ru          | NO  |
| <b>112. Zolin Leonid</b> (JINR, LHE, Dubna, Russia)     | zolinATsunhe.jinr.ru             | NO  |
| <b>113. Zulkarneev Rafail</b> (JINR, Dubna, Russia)     | Rafail.ZulkarneevATsunse.jinr.ru | NO  |