

PROGRAMME

The 20th International Symposium on **SPIN PHYSICS (SPIN2012)**

JINR, Dubna, Russia, September 17 - 22, 2012

September 17, Monday

- 08.00 [Registration at VBLHEP, 2nd floor](#)
Conference Hall VBLHEP, 2nd floor
- 10.00 [OPENING](#)
Chair: V. Matveev
- 10.30 **V.D.Kekelidze**
Scientific program at Nuclotron-NICA
- 11.00 [Opening of Veksler memorial](#)
- 11.30 [Symposium Photo](#)
- 11.50 [Coffee break \(11.50 – 12.10\)](#)
Chair: M. Poelker
- 12.10 **H. Montgomery**
Jefferson Lab with 12 GeV Polarized Electrons
- 12.45 **N. Kalantar-Nayestanaki**
Polarization observables in three-nucleon systems
- 13.20 [Lunch \(13.20 – 15.00\)](#)
- 15.00 [Parallel Sessions \(S1, S2, S4, S5, S6\)](#)
- 16.40 [Coffee break \(16.40 – 17.00\)](#)
- 17.00 [Parallel Sessions \(S1, S2, S4, S5, S6\)](#)
- 19.00 [Excursion to Nuclotron \(optional\)](#)
- 19.00 [Opening of Abstract Art Exhibition in DK "Mir"](#)

PARALLEL SESSIONS

Monday

Session "Spin Structure of Hadrons" [S1]

Conference Hall BLTP, 2nd floor

Chair: A. Efremov

[S1-I]

15.00 **A. Sidorov**

*Importance of the Fragmentation Functions
in Determining Polarized Parton Densities*

15.20 **M. Soleymania**

*Polarized parton distributions effects
in global analysis of fragmentation functions*

15.40 **S. Taheri Monfared**

*Target mass corrections for polarized
structure functions*

16.00 **O. Shevchenko**

*QCD analysis of DIS and SIDIS data
with two alternative methods*

16.20 **D. Strozik-Kotlorz**

*DGLAP Evolution of the Truncated Moments of PDFs
in Spin Physics*

16.40 **Coffee break (16.40 – 17.00)**

[S1-II]

Chair: K. Kurek

17.00 **R. Akhunzyanov**

*QCD analysis of the semiinclusive COMPASS and
HERMES data*

17.20 **O. Solovtsova**

QCD Analysis of Bjorken Sum Rule Revisited

17.40 **B-Q. Ma**

Quark Transversal Motions in the Proton Spin Issues

- 18.00 **O. Teryaev**
Can gluon spin contribute to that of nucleon?
- 19.00 **Excursion to Nuclotron (optional)**
- 19.00 **Opening of Abstract Art Exhibition in DK "Mir"**

Session "Spin in Hadronic Reactions" [S2]

Lecture Hall BLTP, 2nd floor

[S2-I]

Chair: A. Vasilyev

- 15.00 **Y. Goto**
Inclusive cross section and single transverse-spin asymmetry of very forward neutron production at PHENIX
- 15.20 **J. Koster**
Transverse Single Spin Asymmetries in polarized proton-proton Collisions at PHENIX
- 15.40 **J. Lajoie**
Prompt Photon A_N with the PHENIX MPC-EX Detector
- 16.00 **L. Nogach**
Measurements of Forward Jet Production in Polarized pp Collisions at $\sqrt{s} = 500$ GeV
- 16.20 **Y. Pan**
Single Spin Asymmetry Measurements in Polarized Proton Collisions at STAR
- 16.40 **Coffee break (16.40 – 17.00)**

[S2-II]

Chair: N. Saito

- 17.00 **K. Kanazawa**
Twist-3 quark-gluon correlation contribution to single-transverse spin asymmetry for direct-photon and single-jet productions in pp collision

- 17.20 **S. Liuti**
Hadron Polarization Phenomena in the TeV Regime
- 17.40 **S. Platchkov**
Measurements of Cross Section for High- p_t Hadron Production in Muon-Deuteron Collisions at $\sqrt{s} = 17$ GeV
- 18.00 **N. Rossiyskaya**
Study of Heavy Hyperons Production in DIS at COMPASS
- 19.00 **Excursion to Nuclotron (optional)**
- 19.00 **Opening of Abstract Art Exhibition in DK "Mir"**

Session "Spin Physics in Nuclear Reactions and Nuclei" [S4]

DIAS Hall BLTP, ground floor
Chair: N. Kalantar-Nayestanaki

[S4-I]

- 15.00 **K. Sekiguchi**
Complete Set of Deuteron Analyzing Powers for dp Elastic Scattering at Intermediate Energies
- 15.30 **P. Thörngren Engblom**
A complete polarized low-energy proton-deuteron breakup experiment
- 16.00 **Yu. Uzikov**
Spin-dependence of the interaction of antiprotons with the lightest nuclei
- 16.20 **N. Ladygina**
Spin effects in the $dd \rightarrow {}^3\text{He} n$ reaction at intermediate energies
- 16.40 **Coffee break (16.40 – 17.00)**

[S4-II]

Chair: M. Garçon

- 17.00 **Ch. Hanretty**
Exclusive Study of $d(\vec{e}e'\vec{p})n$ Reactions at Threshold
- 17.20 **V. Stibunov**
Study of the $\gamma d \rightarrow pp\pi^-$ reaction in the photon energy region (310 – 1200) MeV at the VEPP-3
- 17.40 **D. Gotta**
Muonic hydrogen
- 18.00 **A. Glushkov**
Muon- γ -Nuclear Spectroscopy: Discharge of Nuclei During μ^- Capture and Spin Effects
- 19.00 **Excursion to Nuclotron (optional)**
- 19.00 **Opening of Abstract Art Exhibition in DK "Mir"**

**Session "Fundamental Symmetries and Spin Physics
beyond the Standard Model" [S5]**

Blokhintsev Hall BLTP, 4th floor

[S5-I]

Chair: J. Körner

- 15.00 **I. Yeletskih**
Search for Z^ boson at ATLAS detector*
- 15.25 **G. Lykasov**
Heavy flavour production in p-p at LHC and proton structure
- 15.50 **A. Pankov**
Distinguishing Indirect Signatures of New Physics at the ILC with Polarized Beams: Z' Versus Anomalous Trilinear Gauge Couplings

16.20 **A. Tsytrinov**
Unique R-parity violating sneutrino exchange signatures at e^+e^- linear colliders with polarized beams

16.40 **Coffee break (16.40 – 17.00)**

[S5-II]

Chair: A. Pankov

17.00 **I. Gorbunov**
Forward-Backward Assymetry in Drell-Yan Events in CMS at 7 TeV

17.25 **I. Ginzburg**
Singularities in the lepton energy spectrum at ILC for measuring mass and spin of Dark Matter particles

17.50 **J. Körner**
The decays of polarized gauge bosons into quark pairs at NLO QCD

18.15 **A. Pivovarov**
*On QCD effects in precision analysis of angular observables of the process $B \rightarrow K^*l^+l^-$*

19.00 **Excursion to Nuclotron (optional)**

19.00 **Opening of Abstract Art Exhibition in DK "Mir"**

**Session "Acceleration, Storage, and Polarimetry
of Polarized Beams" [S6]**

Conference Hall DLNP, 2nd floor

[S6-I]

Chair: E. Steffens

- 15.00 **Yu. Shatunov**
In-flight flippers for high and low energy spin experiments
- 15.30 **F. Podolyako**
Studies of basic limitations on production, transport and acceleration of the high intensity polarized H^- beam in the RHIC polarized ion source
- 16.00 **D. Smirnov**
Measurement of proton beam polarization and A_N with pp and pC recoil polarimeters at RHIC
- 16.30 **Y. Makdisi**
Thoughts on Polarimetry for High Energy Polarized 3He beams at RHIC
- 17.00 **Coffee break (17.00 – 17.20)**

[S6-II]

Chair: Th. Roser

- 17.20 **A. Nass**
Spin Filtering at COSY and perspectives for PAX
- 17.50 **G. Ciullo**
Polarization of Stored Beam by Spin Filtering at COSY
- 18.20 **E. Steffens**
Dual H&D Cavity for the PAX Target Polarimeter
- 19.00 **Excursion to Nuclotron (optional)**
- 19.00 **Opening of Abstract Art Exhibition in DK "Mir"**

September 18, Tuesday

Conference Hall VBLHEP, 2nd floor

Chair: N. Tyurin

09.00 **E. Leader**
*On the controversy concerning the definition
of quark and gluon angular momentum*

09.35 **A. Prokudin**
QCD and SPIN Effects

10.10 **G. Bali**
Lattice QCD for Spin Physics

10.45 **Coffee break (10.45 – 11.00)**

Chair: R. Milner

11.00 **Th. Roser**
RHIC Polarized Collider and eRHIC

11.35 **A. Deshpande**
The RHIC Spin Results

12.10 **B. Surrow**
*Recent STAR results on the gluon polarization program
in polarized $\vec{p} + \vec{p}$ collisions at RHIC*

12.45 **Lunch (12.45 – 15.00)**

15.00 **Parallel Sessions (S1, S2, S3, S5, S7)**

16.40 **Coffee break (16.40 – 17.00)**

17.00 **Parallel Sessions (S1, S2, S4, S5, S6)**

19.00 **Concert in DK "Mir"**



PARALLEL SESSIONS

Session "Spin Structure of Hadrons" [S1]

DIAS Hall, ground floor

[S1-III]

D. Strozik-Kotlorz

- 15.00 **P. Zavada**
The quark intrinsic motion in a covariant approach
- 15.20 **B. Ermolaev**
QCD factorization for structure functions at small x
- 15.40 **P. Filip**
Does Eta meson have magnetic moment?
- 16.20 **G. Ganbold**
*Quark-Antiquark Bound States and QCD Running
Coupling within Infrared Confinement*
- 16.40 **Coffee break (16.40 – 17.00)**

[S1-IV]

Chair: E. Leader

- 17.00 **N. Ivanov**
How to measure the charm density in the proton
- 17.25 **M. Mekhfi**
Spin versus helicity
- 17.50 **O. Selyugin**
*The structure of nucleons and description
of the electromagnetic form factors*
- 19.00 **Concert in DK "Mir"**

Session "Spin in Hadronic Reactions" [S2]

Lecture Hall, 2nd floor

[S2-III]

Chair: V. Mochalov

15.00 **R. Corliss**

Recent STAR results on W boson production in polarized p + p collisions at $\sqrt{s} = 500$ GeV

15.20 **H. Oide**

Measurement of longitudinal single spin asymmetry of $W^\pm \rightarrow \mu^\pm$ at forward/backward rapidities with PHENIX at $\sqrt{s} = 500 - 510$ GeV polarized p + p collisions

15.40 **C. Gal**

Measurements of the mid-rapidity parity violating spin asymmetries for W^\pm bosons at PHENIX

16.00 **J. Deng**

Longitudinal Spin Transfer of Λ and $\bar{\Lambda}$ in Polarized Proton-proton Collisions at 200 GeV at STAR

16.20 **P. Aslanyan**

Λ Hyperon Polarization in pC reaction at 10 GeV/c

16.40 **Coffee break (16.40 – 17.00)**

[S2-IV]

Chair: Y. Goto

17.00 **R. Dzhygadlo**

Recent COSY-TOF results on polarization observables in the reaction $\vec{p}p \rightarrow pK^0\Sigma^+$ at $p_{\vec{p}} = 2.95$ GeV/c

17.20 **V. Shmakova**

Measurement of the spin correlation coefficients $A_{x,x}$ and $A_{y,y}$ in the $pn \rightarrow pp_s\pi^-$ reaction near the threshold at ANKE-COSY

Tuesday

- 17.40 **D. Tsirkov**
Measurement of the differential cross section and vector analysing power of the $\vec{p}p \rightarrow \{pp\}_s \pi^0$ reaction at 353-700 MeV
- 18.00 **I. Alekseev**
High precision measurements of the pion-proton elastic scattering and kaon-lambda production in the EPECUR experiment
- 19.00 **Concert in DK "Mir"**

Session "Spin Physics with Photons and Leptons" [S3]

Conference Hall, 2nd floor

[S3-I]

Chair: I. Savin

- 15.00 **A. Martin**
COMPASS results on Collins and Sivers asymmetries for charged hadrons
- 15.20 **B. Parsamyan**
Transverse spin asymmetries beyond Collins and Sivers at COMPASS
- 15.40 **C. Braun**
COMPASS results on transverse spin asymmetries in identified two-hadron production in SIDIS
- 16.00 **N. Makke**
Study of the hadronization process from single hadron and hadron pair production in SIDIS at COMPASS
- 16.20 **G. Sbrizzai**
Unpolarized azimuthal asymmetries in SIDIS at COMPASS

16.40 **Coffee break (16.40 – 17.00)**

[S3-II]

Chair: G. Mallot

17.00 **E. Zemlyanichkina**

Longitudinal spin structure of the nucleon at COMPASS

17.20 **M. Murray**

DVCS on the Proton at HERMES

17.40 **S. Yashchenko**

An Overview of Recent DVCS Results at HERMES

18.00 **S. Belostotski**

Spin transfer to Λ and $\bar{\Lambda}$ hyperons in deep inelastic scattering at HERMES

19.00 **Concert in DK "Mir"**

Tuesday

**Session "Fundamental Symmetries and Spin Physics
beyond the Standard Model" [S5]**

Blokhintsev Hall, 4th floor

[S5-III]

Chair: A. Dorokhov

15.00 **J. Leacock**

Qweak, $N \rightarrow \Delta$, and Physics Beyond the Standard Model

15.25 **F. Rathmann**

Search for permanent Electric Dipole Moments of light ions ($p, d, {}^3\text{He}$) in storage rings

15.50 **E. Tsentlovich**

NEDM Experiment at SNS

16.20 **K. Asahi**

Search for Electric Dipole Moment in ${}^{129}\text{Xe}$ Atom Using a Nuclear Spin Oscillator

16.40 **Coffee break (16.40 – 17.00)**

[S5-IV]

Chair: F. Rathmann

17.00 **S. Shimizu**

Measurement of T-violating Transverse Muon Polarization in $K^+ \rightarrow \mu^+ \pi^0 \nu$ Decay at J-PARC

17.25 **Y. Totsuka**

First Result from the MTV experiment at TRIUMF searching T-Violation in nuclear beta decay

17.45 **A. Dorokhov**

Current status of the muon g-2 problem

18.10 **O. Khetselius**

Electroweak Interaction and Parity Nonconservation in Heavy Finite Fermi Systems: Spin-Dependent Effects

19.00 **Concert in DK "Mir"**

Session "Polarized Ion and Lepton Sources and Targets" [S7]

Conference Hall DLNP, 2nd floor

[S7-I]

Chair: A. Belov

15.00 **A. Zelensky**

Polarized source upgrade for RHIC

15.30 **J. Maxwell**

Polarized ^3He Ion Source Development for RHIC

15.50 **R. Gebel**

Status of the polarized ion source at COSY/Jülich

16.10 **M. Gaisser**

DSMC Simulations of Polarized Atomic Beam Sources Including Magnetic Fields

16.40 Coffee break (16.40 – 17.00)

[S7-II]

Chair: G. Gurevich

17.00 **V. Fimushkin**

*Status of the source of polarized ions project
for the JINR accelerator complex*

17.20 **M. Poelker**

Status of Polarized Electron Beams at Jefferson Lab

17.40 **J. Pierce**

*The Polarized Target for the G_{Ep} and g_2^p Experiments
at Jefferson Lab*

18.00 **X. Wei**

*HDice, the Polarized Solid HD Target in the
Frozen Spin Mode for Experiments with CLAS*

19.00 Concert in DK "Mir"

Tuesday

September 19, Wednesday

Conference Hall VBLHEP, 2nd floor

Chair: G. Fidecaro

- 09.00 **P. Kroll**
Determination and applications of generalized parton distributions
- 09.35 **K. Grigoryev**
Summary of the XIXth International Workshop on Polarized Sources, Targets&Polarimetry (PSTP2011)
- 09.50 **A. Efremov**
DSPIN2011 Summary
- 10.05 **M. Finger**
ASI SPIN-PRAHA-2012 Summary
- 10.30 **Yu. Usov**
B. Neganov and ultralow temperatures
- 10.45 **Coffee break (10.45 – 11.00)**
- 11.30 **Excursions**

September 20, Thursday

Conference Hall VBLHEP, 2nd floor

Chair: G. Mallot

- 09.00 **M. Destefanis**
Drell-Yan Studies in $p\bar{p}$ Reactions at FAIR
- 09.35 **Y. Bedfer**
Results from the COMPASS Nucleon Structure Program
- 10.10 **M. Chiosso**
COMPASS-II
- 10.45 **Coffee break (10.45 – 11.00)**

Chair: E. Steffens

- 11.00 **A. Nagaytsev**
Spin@JINR: now and in future
- 11.35 **V. Mochalov**
Polarization Studies at IHEP
- 12.10 **A. Belov**
Polarized Ion Sources: Status and Perspectives
- 12.45 **Lunch (12.45 – 15.00)**
- 15.00 **Parallel Sessions (S1, S4, S8)**
- 16.40 **Coffee break (16.40 – 17.00)**
- 17.00 **Parallel Sessions (S1, S4, S6, S8)**
- 19.00 **Excursion to Nuclotron (optional)**

Thursday

PARALLEL SESSIONS

Session "Spin Structure of Hadrons" [S1]

Conference Hall, 2nd floor

[S1-V]

Chair: B-Q. Ma

15.00 **S. Goloskokov**

*Polarized and transversity GPDs in kaons
leptoproduction*

15.20 **S. Liuti**

*On the Interpretation of Recent Exclusive Pseudoscalar
Electroproduction Results*

15.40 **Zh. Lu**

*Chiral-odd transverse momentum distributions
in Drell-Yan processes*

16.00 **Z. Liang**

*Twist-3 contributions to the azimuthal asymmetries
in polarized SIDIS*

16.20 **F. Giordano**

*Flavor dependent azimuthal asymmetries in unpolarized
semi-inclusive DIS at HERMES*

16.40 **Coffee break (16.40 – 17.00)**

[S1-VI]

Chair: S. Liuti

17.00 **I. Cherednikov**

*Cusped light-like Wilson loops, rapidity evolution of TMDs
and geometry of the loops space*

17.20 **A. Kotikov**

QCD analysis of the Bjorken sum rule

17.40 **N. Kivel**

*Two photon exchange correction at large momentum
transfer within QCD factorization approach*

- 18.00 **A. Kataev**
Conformal-symmetry based $O(\alpha_s^3)$ expression for the Bjorken sum rule
- 18.20 **V. Korotkov**
Measurement of Semi-Inclusive Double-Spin Asymmetries and Spin-Structure Function g_2 at HERMES
- 18.40 **L. Pappalardo**
Study of TMDs with polarized beam and/or targets at HERMES
- 19.00 **Excursion to Nuclotron (optional)**

Session "Spin Physics in Nuclear Reactions and Nuclei" [S4]

DIAS Hall, ground floor

16.40 **Coffee break (16.40 – 17.00)**

[S4-III]

Chair: Yu. Uzikov

- 17.00 **V. Baru**
Status and recent developments in $NN \rightarrow NN\pi$
- 17.30 **M. Polyakov**
Narrow nucleon resonance in eta photoproduction with polarized photon beam
- 17.55 **G. Musulmanbekov**
To Polarization of Hyperons in Heavy Ion Collisions
- 18.15 **A. Machavariani**
Analytic determination of the electromagnetic moments and form-factors of the Δ resonances and deuteron in the $\pi N - \gamma\pi N$ and $NN - \gamma NN$ reactions
- 18.35 **V. Lyuboshitz**
Entangled Quantum States and Correlations of Internal

Thursday

Quantum Numbers in Two-Particle Systems

19.00 **Excursion to Nuclotron (Optional)**

**Session "Acceleration, Storage, and Polarimetry
of Polarized Beams" [S6]**

Conference Hall DLNP, 2nd floor

[S6-III]

Chair: Yu. Shatunov

15.00 **Yu. Filatov**

*Polarized Proton Beam Acceleration at Nuclotron
with the use of the Solenoid Siberian Snake*

15.30 **V. Ptitsyn**

*Calculation of spin resonance harmonics
in an accelerator with Snakes and rotators*

16.00 **P. Kurilkin**

Deuteron beam polarimetry at Nuclotron

16.30 **Coffee break (16.30 – 16.50)**

[S6-IV]

Chair: Y. Makdisi

16.50 **V. Tvaskis**

*Precise Polarization Measurements via Electron
Detector for QWEAK Experiment*

17.20 **A. Bazilevsky**

*Impact of Three-Dimensional Polarization Profiles on
Spin-Dependent Measurements in Colliding Beam
Experiments*

17.50 **S. Nikitin**

*Status of the Super B project and beam polarization
issues*

19.00 **Excursion to Nuclotron (Optional)**

Session "Future Facilities and Experiments" [S8]

Blokhintsev Hall, 4th floor

[S8-I]

Chair: O. Denisov

15.00 **A. Krisch**

*Violent Collisions of Spinning Protons:
Past, Present & Perhaps at Fermilab*

15.35 **M. Dalton**

*Recent results and future direction of the parity-violating
electron scattering program in Hall A at Jefferson Lab*

16.10 **A. Kovalenko**

Polarized Deuterons and Protons at NICA@JINR

16.40 **Coffee break (16.40 – 17.00)**

[S8-II]

Chair: A. Nagaytsev

17.00 **A. Kondratenko**

*Preservation And Control Of The Proton And
Deuteron Polarizations In The Proposed Electron-Ion
Collider At Jefferson Lab*

17.25 **Yu. Shestakov**

*System for tagging almost-real photons
at VEPP-3 storage ring*

17.50 **N. Piskunov**

*Measurement of analyzing power for the reaction
 $\vec{p}+CH_2$ at polarized proton momentum of 7.5 GeV/c*

18.15 **M. Yosoi**

Hadron Physics at LEPS and LEPS2

19.00 **Excursion to Nuclotron (Optional)**

Thursday

September 21, Friday

Conference Hall VBLHEP, 2nd floor

Chair: D. Crabb

- 09.00 **G. Schnell**
*Overview of recent results
from the HERMES experiment*
- 09.35 **S. Dymov**
Spin Physics at ANKE-COSY
- 10.10 **N. Nikolaev**
*Search for permanent EDM of charged particles
and nuclei at storage rings*
- 10.45 **Coffee break (10.45 – 11.00)**

Chair: A. Belov

- 11.00 **S. Karpuk**
*Spinpolarised ^3He : From basic research
to medical applications*
- 11.35 **M. Tanaka**
Production of Hyperpolarized Nuclei for MRI
- 12.10 **A. Thomas**
The new Frozen Spin Target at MAMI
- 12.45 **Lunch (12.45 – 15.00)**
- 15.00 **Parallel Sessions (S2, S3, S5, S8, S9)**
- 16.40 **Coffee break (16.40 – 17.00)**
- 17.00 **Parallel Sessions (S2, S3, S5, S8, S9)**
- 19.30 **Banquet**

PARALLEL SESSIONS

Session "Spin in Hadronic Reactions" [S2]

Lecture Hall, 2nd floor

[S2-V]

Chair: I. Alexseev

- 15.00 **S.H. Lee**
Measurement of A_{LL} and cross section of high p_T charged π meson production for constraining ΔG at PHENIX
- 15.20 **A. Manion**
Getting at the Gluon: The High Statistics $\pi^0 A_{LL}$ Measurement at PHENIX With Investigations of a Major Systematic Uncertainty
- 15.40 **J. Perry**
Approximation of Jet Axis in Rapidity Separated Dihadron Correlations
- 16.00 **D. Svirida**
Improved Results on Transverse Double Spin Asymmetries in the CNJ region at STAR
- 16.20 **S. Nurushev**
The helicity conservation hypothesis and $p - p$ elastic scattering
- 16.40 **Coffee break (16.40 – 17.00)**

[S2-VI]

Chair: S. Belostotski

- 17.00 **G. Karyan**
Charged hadron multiplicities at the HERMES experiment
- 17.20 **V. Abramov**
Polarization phenomena in hadronic reactions

Friday

- 17.40 **C. Pisano**
Probing TMDs through azimuthal distributions of pions inside a jet in hadronic collisions
- 19.30 **Banquet**

Session "Spin Physics with Photons and Leptons" [S3]

Conference Hall, 2nd floor

[S3-III]

Chair: H. Avakian

- 15.00 **H. Baghdasaryan**
SANE experiment
- 15.20 **V. Punjabi**
Proton Form Factor Measurements at Jefferson Lab, Past and Future
- 15.40 **P. Paremuzyan**
Timelike Compton Scattering at JLab
- 16.00 **Yu. Nefedov**
BES-III status and results
- 16.20 **E. Downie**
Nucleon Polarisabilities via Compton Scattering at MAMI
- 16.40 **Coffee break (16.40 – 17.00)**

Chair: A. Martin

[S3-IV]

- 17.00 **H. Avakian**
Measurement of transverse momentum distributions with CLAS and CLAS12
- 17.20 **D. Sokhan**
Deeply Virtual Compton Scattering from the Neutron with CLAS and CLAS12
- 17.40 **L. Pappalardo**
The TMD program at CLAS and CLAS12

- 18.00 **W. J. Briscoe**
Double Polarization Experiments at JLAB Using the Hall B FROST and HD-ICE Polarized Targets and CLAS
- 18.20 **T. Kageya**
Measurement of spin observables for N^ resonances in pseudoscalar-meson photo-production using polarized neutron in solid HD*
- 19.30 **Banquet**

**Session "Fundamental Symmetries and Spin Physics
beyond the Standard Model" [S5]**

DIAS Hall, ground floor

[S5-V]

Chair: L. Ryder

- 15.00 **Yu. Obukhov**
Dirac particle spin in strong gravitational fields
- 15.30 **A. Vladimirov**
Spinor gravity on lattice
- 15.55 **A. Silenko**
Dirac particle spin in strong gravitational fields
- 16.20 **V. Neznamov**
*Stationary Bound States of Dirac Particles
in Collapsar Fields*
- 16.40 **Coffee break (16.40 – 17.00)**

[S5-VI]

Chair: V. Neznamov

- 17.00 **L. Ryder**
Neutron interference effects on a rotating earth
- 17.25 **A. Studenikin**
*Neutrino electromagnetic properties
and BMS physics*

Friday

- 17.50 **V. Bordovitsin**
Thomas precession as a source of electromagnetic angular momentum and torque radiated by a relativistic charged spin particle
- 18.15 **A. Burinskiy**
What tells Gravity on the shape and size of the electron
- 18.35 **A. Chernitskiy**
Electromagnetic soliton-particle with spin and magnetic moment
- 19.30 **Banquet**

Session "Future Facilities and Experiments" [S8]

Blokhintsev Hall, 4th floor

[S8-III]

Chair: N. Akopov

- 15.00 **M. Varanda Quaresma**
Polarised Drell-Yan measurements at COMPASS-II
- 15.25 **O. Denisov**
Unpolarised Dell-Yan physics at COMPASS-II
- 15.50 **V. Ladygin**
Spin physics in few body systems at Nuclotron
- 16.15 **S. Shimansky**
*The Spin Physics $x_T \sim 1$ at $\sqrt{s} < 10$ GeV:
 Problems and Decisions*
- 16.40 **Coffee break (16.40 – 17.00)**

[S8-IV]

Chair: S. Shimansky

- 17.00 **H. Avakian**
*Studies of transverse structure of the proton
 at JLab and JLab12*

- 17.25 **F. Giordano**
A new forward spectrometer for PHENIX
- 17.50 **A. Rakotozafindrabe**
*Spin physics at A Fixed-Target Experiment
at the LHC (AFTER@LHC)*
- 19.30 **Banquet**

**Session "Medical and Technological Applications
of Spin Physics" [S9]**

Conference Hall DLNP, 2nd floor

[S9-I]

Chair: S. Karpuk

- 15.00 **Yu. Kiselev**
Blood analysis for early cancer detection
- 15.30 **D. Strozik-Kotlorz**
Magnetic Resonance Spectroscopy of the Human Brain
- 16.00 **V. Panteleev**
*Intraarticulation disorders in temporomandibular
joint dysfunction patients*
- 16.40 **Coffee break (16.40 – 17.00)**

[S9-II]

Chair: Yu. Kiselev

- 17.00 **R. Engels**
Polarized Fusion
- 17.30 **M. Kwetana**
Synthesis and Labeling of Tc-DISIDA
- 19.30 **Banquet**

Friday

September 22, Saturday

Conference Hall VBLHEP, 2nd floor

Chair: R. Prepost

- 09.00 **A. Lanyov**
*Results of Searches for Higgs Boson
and New Physics at LHC*
- 09.35 **Ch. Perdrisat**
The Form Factors of the Nucleons
- 10.10 **A. Tamii**
*Study of Nuclear Structure and Reaction by Using
Polarized Proton Beams at RCNP*
- 10.45 **Coffee break (10.45 – 11.00)**

Chair: A. Krisch

- 11.00 **N. Saito**
Spin Physics at J-PARC
- 11.35 **S. Procureur**
Recent results and achievements with CLAS
- 12.10 **F. Bradamante**
Summary talk
- 12.45 **E. Steffens**
Closing Remarks