

The 24th International Spin Symposium

Monday, 18 October 2021 - Friday, 22 October 2021

Matsue, Shimane Prefecture, Japan

Programme

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Monday 18 October 2021

Plenary Presentations: Plenary 1 (15:00-16:30)

time	[id] title	presenter
15:00	[172] Opening remarks	UESAKA, Tomohiro GOTO, yuji
15:15	[173] Theory of muon g-2	MALAESCU, Bogdan
15:30	[130] Measurement of muon g-2	TISHCHENKO, Vladimir
16:00	[174] Progress on Lattice QCD studies on the spin physics	ALEXANDROU, Constantia

Social (Coffee breaks, Lunch, etc): Coffee break (16:30-16:40)

Plenary Presentations: Plenary 2 (16:40-18:05)

time	[id] title	presenter
16:45	[86] Dipole polarizability from small-angle proton scattering and implications for symmetry energy properties and the formation of neutron skins	VON NEUMANN-COSEL, Peter
17:15	[175] ELI-NP project overview	UR, Calin Alexandru
17:40	[52] Electric Dipole Moment Measurements at Storage Rings	PRETZ, Joerg

Future facilities and experiments (18:50-20:20)

-Conveners: Tanja Horn; Kenichi Nakano; Yuji Goto

Transverse Momentum Structure (TMD) (18:50-20:20)

-Conveners: Shinsuke Yoshida; Ralf Seidl; Michela Chiosso

Polarized Sources and Targets (18:50-20:20)

-Conveners: Kenichiro Tateishi; Genki NUKAZUKA; Shunsuke Ikeda

Form Factors and GPDs: GPD 1 (18:50-20:20)

-Conveners: Marie Boer; Wen-Chen Chang; Itaru Nakagawa

time	[id] title	presenter
18:50	[11] Deeply Virtual Compton Scattering at COMPASS	D'HOSE, Nicole
19:20	[9] Spin Density Matrix Elements in Exclusive Muoproduction of ρ^0 and ω Mesons at COMPASS	AUGSTEN, Kamil
19:40	[14] Measurements of the exclusive neutral pion electroproduction at Jefferson Lab Hall A experiment E12-06-114	LIN, PO-JU
20:00	[15] The deconvolution problem of deeply virtual Compton scattering	DUTRIEUX, Hervé

Form Factors and GPDs: GPD 2 (20:30-22:00)

-Conveners: Wen-Chen Chang; Itaru Nakagawa; Marie Boer

time	[id] title	presenter
20:30	[146] Time-like gravitational formfactors and shear viscosity	TERYAEV, Oleg

21:00	[159] Three-loop corrections to the quark and gluon decomposition of the QCD trace anomaly and their applications	
21:20	[96] Accessing pion's large-x gluon by fixed-target charmonium production	CHANG, Wen-Chen
21:40	[12] Exclusive π^0 muoproduction at COMPASS	

Fundamental Symmetries and and Spin Physics Beyond the Standard Model (20:30-22:00)

-Conveners: Hiroki Nagahama; Shinsuke Kawasaki; Tsutomu Mibe; Hanjie Liu

Acceleration, Storage and Polarimetry of polarized Beams (20:30-22:00)

-Conveners: Tsutomu Mibe; Mitsuhiro Fukuda; Vahid Ranjbar

Transverse Momentum Structure (TMD) (20:30-22:00)

-Conveners: Ralf Seidl; Shinsuke Yoshida; Michela Chiosso

Spin in Nuclear Reactions and Nuclei (20:30-22:00)

-Conveners: Satoshi Sakaguchi; Georgi Georgiev; Juzo ZENIHIRO

Tuesday 19 October 2021

Plenary Presentations: Plenary 3 (15:00-16:40)

time	[id] title	presenter
15:45	[177] Spin Polarization Effects in Heavy Ion Collisions	LIANG, Zuo-tang
16:15	[42] Polarized target experiments at LHC	PAPPALARDO, Luciano

Social (Coffee breaks, Lunch, etc): Coffee break (16:40-16:50)

Plenary Presentations: Plenary 4 (16:50-17:50)

time	[id] title	presenter
16:50	[33] Result of the neutron EDM search at PSI	BISON, Georg

Joint BSM - Accelerator - Future Session EU timezone (18:50-20:20)

-Conveners: Vahid Ranjbar; Kenichi Nakano; Tsutomu Mibe; Mitsuhiro Fukuda; Hanjie Liu; Shinsuke Kawasaki; Hiroki Nagahama; Tanja Horn

Nucleon Helicity Structure: Helicity 1 (18:50-20:20)

-Conveners: Maria Zurek; Itaru Nakagawa

time	[id] title	presenter
18:50	[55] Illuminating the nucleon spin	ECHEVARRIA, Miguel
19:20	[102] Useful relations and sum rules for PDFs and multiparton distribution functions of spin-1 hadrons	SONG, Qin-Tao
19:40	[54] Helicity quasi-PDFs in a large Nc nucleon	SON, Hyeon-Dong

Transverse Momentum Structure (TMD) (18:50-20:20)

-Conveners: Ralf Seidl; Shinsuke Yoshida; Michela Chiosso

Polarized Sources and Targets (18:50-20:20)

-Conveners: Kenichiro Tateishi; Shunsuke Ikeda; Genki NUKAZUKA

Social (Coffee breaks, Lunch, etc): Coffee break (20:20-20:30)

Joint TMD - GPD - HELCITY - Future session EU timezone (20:30-22:00)

-Conveners: Tanja Horn; Maria Zurek; Itaru Nakagawa; Wen-Chen Chang; Marie Boer; Kenichi Nakano; Yuji Goto; Michela Chiosso; Shinsuke Yoshida

Fundamental Symmetries and Spin Physics Beyond the Standard Model (20:30-22:00)

-Conveners: Hiroki Nagahama; Hanjie Liu; Shinsuke Kawasaki; Tsutomu Mibe

Acceleration, Storage and Polarimetry of polarized Beams (20:30-22:00)

-Conveners: Vahid Ranjbar; Tsutomu Mibe; Mitsuhiro Fukuda

Applications of Nuclear Polarization in other Fields (20:30-22:00)

-Conveners: Takayuki KUMADA; Patrick Hautle; Kenichiro Tateishi

Wednesday 20 October 2021

Plenary Presentations: Plenary 5 (09:00-10:45)

time	[id] title	presenter
10:15	[180] Crystallography of Dynamically Polarized Proteins with Polarized Neutron Beams	PIERCE, Josh

Social (Coffee breaks, Lunch, etc): Coffee break (10:45-11:15)

Fundamental Symmetries and and Spin Physics Beyond the Standard Model (11:15-12:45)

-Conveners: Shinsuke Kawasaki; Hanjie Liu; Tsutomu Mibe; Hiroki Nagahama

Nucleon Helicity Structure: Helicity 2 (11:15-12:45)

-Conveners: Maria Zurek; Itaru Nakagawa

time	[id] title	presenter
11:15	[98] Measurement of the anti-quark flavor asymmetry in the proton at FNAL-SeaQuest	NAKANO, Kenichi
11:45	[43] Measurement of longitudinal spin transfer of the $\Lambda(\bar{\Lambda})$ hyperon in longitudinally polarized $p+p$ collisions at $\sqrt{s}=200$ GeV at RHIC-STAR	
12:05	[83] Studies of Neutral Current Neutrino-Nucleon Scattering with the MicroBooNE Detector	
12:25	[88] Collinear twist-3 approach to hyperon polarization in SIDIS	TAKADA, Kazuki

Transverse Momentum Structure (TMD) (11:15-12:45)

-Conveners: Shinsuke Yoshida; Michela Chiosso; Ralf Seidl

Joint GPD - Future session (16:30-18:00)

-Conveners: Kenichi Nakano; Yuji Goto; Marie Boer; Wen-Chen Chang; Tanja Horn; Itaru Nakagawa

time	[id] title	presenter
16:30	[18] Phenomenological assessment of proton mechanical properties from deeply virtual Compton scattering	
17:00	[73] Exclusive production of Quarkonia and Heavy Flavors to access gluon Generalized Parton Distributions at EIC	SCHROEDER, Tyler
17:20	[20] Artificial neural network techniques in modelling of GPDs	SZNAJDER, Paweł
17:40	[16] Accessing pion GPDs through the Sullivan process: is it feasible?	MORGADO CHÁVEZ, Jose Manuel

Transverse Momentum Structure (TMD) (16:30-18:00)

-Conveners: Shinsuke Yoshida; Ralf Seidl; Michela Chiosso

Spin in Nuclear Reactions and Nuclei (16:30-18:00)

-Conveners: Satoshi Sakaguchi; Georgi Georgiev; Juzo ZENIHIRO

Plenary Presentations: Plenary 6 (18:30-20:00)

time	[id] title	presenter
19:05	[108] Experimental studies on the high-energy spin physics in collider experiments at RHIC	FAZIO, Salvatore

Thursday 21 October 2021

Acceleration, Storage and Polarimetry of polarized Beams (07:00-08:30)

-Conveners: Vahid Ranjbar; Tsutomu Mibe; Mitsuhiro Fukuda

Low energy spin physics with lepton, photon and hadron probes (07:00-08:30)

-Conveners: Hideki Kohri; Atsushi Tamii

Fundamental Symmetries and and Spin Physics Beyond the Standard Model (07:00-08:30)

-Conveners: Shinsuke Kawasaki; Tsutomu Mibe; Hanjie Liu; Hiroki Nagahama

Joint TMD - GPD - HELCITY - Future session US timezone (07:00-08:30)

-Conveners: Yuji Goto; Shinsuke Yoshida; Wen-Chen Chang; Tanja Horn; Kenichi Nakano; Maria Zurek; Itaru Nakagawa; Marie Boer; Michela Chiosso

Future facilities and experiments (08:40-10:10)

-Conveners: Tanja Horn; Kenichi Nakano; Yuji Goto

Transverse Momentum Structure (TMD) (08:40-10:10)

-Conveners: Ralf Seidl; Michela Chiosso; Shinsuke Yoshida

Polarized Sources and Targets (08:40-10:10)

-Conveners: Kenichiro Tateishi; Shunsuke Ikeda; Genki NUKAZUKA

Joint GPD - Helicity session (08:40-10:10)

-Conveners: Maria Zurek; Wen-Chen Chang; Itaru Nakagawa; Marie Boer

time	[id] title	presenter
08:40	[77] transverse spin sum rules	JI, XIANGDONG
09:10	[141] Novel CFFs Extraction in Unpolarized DVCS	
09:30	[61] Longitudinal Spin Transfer to Lambda Hyperons in CLAS12	

Social (Coffee breaks, Lunch, etc): Coffee break (10:30-11:00)

Plenary Presentations: Plenary 7 (11:00-12:30)

time	[id] title	presenter
11:30	[128] T-violation in neutron scattering	KITAGUCHI, Masaaki
12:00	[105] Progress on fragmentation-function studies	RINGER, Felix

Plenary Presentations: Plenary 8 (12:40-14:20)

time	[id] title	presenter
13:30	[58] Spin Physics Detector at NICA	LADYGIN, Vladimir
13:55	[144] Nuclear spin-isospin responses studied by nuclear reactions: A tribute to Munetake Ichimura	WAKASA, Tomotsugu

Social (Coffee breaks, Lunch, etc): Coffee break (15:30-16:00)

Friday 22 October 2021

Transverse Momentum Structure (TMD): TMD 7 (07:00-08:30)

-Conveners: Ralf Seidl; Shinsuke Yoshida; Michela Chiosso

Spin in Nuclear Reactions and Nuclei (07:00-08:30)

-Conveners: Juzo ZENIHIRO; Georgi Georgiev; Satoshi Sakaguchi

Future facilities and experiments (07:00-08:30)

-Conveners: Tanja Horn; Kenichi Nakano; Yuji Goto

Nucleon Helicity Structure: Helicity 3 (07:00-08:30)

time	[id] title	presenter
07:00	[91] Small-x Helicity Evolution and the Proton Spin Puzzle	PITONYAK, Daniel
07:30	[75] First Extraction of Polarized Sea Asymmetry from Weak Boson Production in Proton-Proton Collisions	
07:50	[190] J/psi spin asymmetry measurements in p+p collisions at 200 and 510 GeV by the PHENIX experiment at RHIC	LEBEDEV, alexandre

Acceleration, Storage and Polarimetry of polarized Beams (08:40-10:10)

-Conveners: Tsutomu Mibe; Vahid Ranjbar; Mitsuhiro Fukuda

Joint BSM - Lowenergy - Future Session US timezone (08:40-10:10)

-Conveners: Hanjie Liu; Atsushi Tamii; Hiroki Nagahama; Kenichi Nakano; Hideki Kohri; Yuji Goto; Shinsuke Kawasaki; Tanja Horn; Tsutomu Mibe

Transverse Momentum Structure (TMD): TMD 8 (08:40-10:10)

-Conveners: Shinsuke Yoshida; Michela Chiosso; Ralf Seidl

Polarized Sources and Targets (08:40-10:10)

-Conveners: Shunsuke Ikeda; Kenichiro Tateishi; Genki NUKAZUKA

Nucleon Helicity Structure: Helicity 4 (08:40-10:10)

time	[id] title	presenter
08:40	[149] The role of the chiral anomaly in polarized deeply inelastic scattering: Topological screening and emergent axion-like dynamics	TARASOV, Andrey
09:10	[113] Measurement of Direct Photon Cross Section and Double Helicity Asymmetry at $\sqrt{s} = 510$ GeV in $\vec{p}+\vec{p}$ Collisions at PHENIX	JI, Zhongling
09:30	[142] Recent Longitudinal Spin Results with Charged Pions and Jets at PHENIX	
09:50	[99] Constraining the Polarized Gluon Distribution Function of the Proton with Recent STAR Measurements	

Social (Coffee breaks, Lunch, etc): Coffee break (10:30-11:00)

Plenary Presentations: Plenary 9 (11:00-12:45)

time	[id] title	presenter
11:00	[195] Report from ISPC meeting	GAO, Haiyan
11:30	[187] LEPS experiments with polarized photons	AHN, Jung Keun
12:00	[109] Progress on Proton Charge Radius Measurements	GASPARIAN, Ashot

Plenary Presentations: Plenary 10 (12:55-14:25)

time	[id] title	presenter
12:55	[188] Progress on the new solid polarized target by using the symmetry of Perovskite structure	IINUMA, Masataka
13:20	[100] The physics program at EIC: towards the realization	EVDOKIMOV, Olga

This Symposium is a part of the RIKEN Symposium Series.