

Tuesday, October 8

08:30-09:00

OPENING CEREMONY

09:00-10:30

SECTION: CONDENSED MATTER PHYSICS

Chair: Tianjiao LIANG

Invited talks 45 min

09:00-9:45

I1. Sergey V. STRELTsov

M.N. Mikheev Institute of metal physics of UB RAS

Low-dimensional Magnetism: Frustrations, Kitaev Model, Kagome Magnets and Beyond

09:45-10:30

I2. Jinsheng WEN

Nanjing University

Neutron Spectroscopy Studies on the Elementary Excitations of Strongly-Correlated Electronic Systems

10:30-11:00

Coffee break

11:00-13:00

SECTION: CONDENSED MATTER PHYSICS

Chair: Sergey V. STRELTsov

Extended talks: 30 min / Regular talks 15 min

11:00-11:30

E1. Benqiong LIU

Institute of Nuclear Physics and Chemistry, CAEP

Phase transition and unusual excitations in selected strongly correlated f electron systems

11:30-12:00

E2. Sergey KICHANOV

Joint Institute for Nuclear Research

Structural aspects for the physical properties of materials: neutron studies at high pressure

12:00-12:15

R1. Nan ZHAO

Institute of high energy physics CAS, CSNS

Quasi One-Dimensional Ising-like Antiferromagnetism in the Rare-earth Perovskite Oxide $TbScO_3$

12:15-12:30

R2. Alexander I. KURBAKOV

Petersburg Nuclear Physics Institute named by B.P.Konstantinov of NRC «Kurchatov Institute»

Magnetic phase separation in oxygen-deficient double perovskite $Sr_2MnNbO_{6-\delta}$

12:30-12:45	R3. Natalia NOSOVA <i>Ural Federal University named after the first President of Russia B. N. Yeltsin</i> Magnetic states of iron-containing transition metal chalcogenides
12:45-13:00	R4. Igor A. ZOBKALO <i>Petersburg Nuclear Physics Institute named by B.P.Konstantinov of NRC «Kurchatov Institute»</i> Antisymmetric interactions in multiferroic manganates RMn_2O_5
13:00-14:30	Lunch
14:30-16:40	SECTION: CONDENSED MATTER PHYSICS Chair: Fangwei WANG Invited talks 45 min / Regular talks 15 min
14:30-15:15	I3. Bing LI <i>Institute of Metal Research Chinese Academy of Sciences</i> Neutron scattering of barocaloric materials
15:15-16:00	I4. Sergey V. GRIGORIEV <i>Petersburg Nuclear Physics Institute named by B.P.Konstantinov of NRC «Kurchatov Institute»</i> Helimagnets with the Dzyaloshinsky-Moriya interaction: looking back, but moving forward
16:00-16:15	R5. Vladimir V. RUNOV <i>Petersburg Nuclear Physics Institute named by B.P.Konstantinov of NRC «Kurchatov Institute»</i> Measurement of magnetic-nuclear cross-correlations in small-angle scattering of polarized neutrons: a highly sensitive method for analyzing the scale of magnetic / nuclear correlations in non-magnetic and magnetic materials (examples of realizations)
16:15-16:30	R6. Maxim I. KOLKOV <i>Petersburg Nuclear Physics Institute named by B.P.Konstantinov of NRC «Kurchatov Institute»</i> Study of the magnetic structure transformation of spin-flop driven magnetodielectrics based on solid solutions of $\text{Pb}_2\text{Fe}_{2-x}\text{Mn}_x\text{Ge}_2\text{O}_9$
16:30-17:00	Coffee break

17:00-19:00 **SECTION: NEUTRON REFLECTOMETRY IN CONDENSED MATTER PHYSICS**
Chair: Sergey V. GRIGORIEV
Regular talks 15 min

17:00-17:15	R7. Tao ZHU <i>Institute of high energy physics CAS, CSNS</i> Polarized neutron reflectometer at CSNS and its application to the study of the magnetic thin films for spintronics
17:15-17:30	R8. Nikolay K. PLESHANOV <i>Petersburg Nuclear Physics Institute named by B.P.Konstantinov of NRC «Kurchatov Institute»</i> Polarized neutron reflectometry plus (PNR+)
17:30-17:45	R9. Nikolay K. PLESHANOV <i>Petersburg Nuclear Physics Institute named by B.P.Konstantinov of NRC «Kurchatov Institute»</i> On prospects of neutron reflectometry at the reactor PIK
17:45-18:00	R10. Yuri SALAMATOV <i>M.N. Mikheev Institute of metal physics of UB RAS</i> Resonant neutron reflectometry of magnetic nanoheterostructures
18:00-18:15	R11. Evgeny KRAVTSOV <i>M.N. Mikheev Institute of metal physics of UB RAS</i> Polarized neutron reflectometry in studying helimagnetism of magnetic multilayers
18:15-18:30	R12. Vladislav SYROMYATNIKOV <i>Petersburg Nuclear Physics Institute named by B.P.Konstantinov of NRC «Kurchatov Institute»</i> About using of a compact supermirror transmission polarizer in the neutron research facilities of the PIK reactor
19:00-20:30	Dinner

Wednesday, October 9

9:00-10:30

SECTION: MATERIAL SCIENCE

Chair: Alexander I. KURBAKOV

Invited talks 45 min

09:00-09:45

I5. Fengxia HU

State Key Laboratory of Magnetism, Institute of Physics CAS

Neutron study on magnetocaloric material

09:45-10:30

I6. Sergey V. ROGOZHKIN

National Research Nuclear University MEPhI, NRC «Kurchatov Institute»

Study of precipitates in oxide dispersion-strengthened steels by SANS

10:30-11:00

Coffee break

11:00-13:00

SECTION: MATERIAL SCIENCE

Chair: Fengxia HU

Extended talks: 30 min /Regular talks: 15 min

11:00-11:30

E3. Anatoly M. BALAGUROV

Joint Institute for Nuclear Research

Tetragonal phases in Fe-Ga alloys: A quantitative study

11:30-11:45

R13. Tatiana VERSHININA

Joint Institute for Nuclear Research

In situ neutron diffraction study of phase transitions in Fe₆₈Ga₃₂ alloy

11:45-12:00

R14. Changda WANG

University of Science and Technology of China

Neutron and Synchrotron X-ray Scattering Study on the Structural Quantification of 2D Materials

12:00-12:15

R15. Huaican CHEN

Institute of high energy physics CAS, CSNS

The application of neutron scattering on the irradiation effects of materials

12:15-12:30

R16. Huaican CHEN

Institute of high energy physics CAS, CSNS

The research of the irradiation effect for the spallation neutron source materials

12:30-12:45	R17. Oleg GOLOSOV <i>JSC Institute of Reactor Materials, Rosatom</i> Study of highly irradiated dispersion U-Mo/Al fuel by small-angle scattering and neutron diffraction methods
12:45-13:00	R18. YiFeng LI <i>Institute of high energy physics CAS, CSNS</i> Study on the Mechanism of Improving Mechanical Properties and Hydrogen Embrittlement Resistance of Fe-18Mn-3Ti Steel
13:00-14:30	Lunch
14:30-16:45	SECTION: NEUTRON SOURCES, DETECTORS AND EXPERIMENTAL TECHNIQUES: TOF INSTRUMENTS Chair: Anatoly M. BALAGUROV Extended talks: 30 min / Regular talks: 15 min
14:30-15:00	E4. Junrong ZHANG <i>Institute of high energy physics CAS, CSNS</i> Data Analysis and Management at China Spallation Neutron Source
15:00-15:15	R19. Taisen ZUO <i>Institute of high energy physics CAS, CSNS</i> Development of the VSANS instrument and its multidiscipline applications
15:15-15:30	R20. Tao XIONG <i>Institute of high energy physics CAS, CSNS</i> NuBS, a new neutron backscattering spectrometer at CSNS
15:30-15:45	R21. Evgenii V. LUKIN <i>Joint Institute for Nuclear Research</i> DN-6 diffractometer for studies of materials at ultrahigh pressures
15:45-16:00	R22. Juping XU <i>Institute of high energy physics CAS, CSNS</i> Data analysis and experiment method of Multi-Physics Instrument
16:00-16:15	R23. Jianxiang GAO <i>China Institute of atomic energy, CARR</i> Research progress on neutron diffraction in CARR

16:15-16:30	R24. Alexander V. BELUSHKIN <i>National Research Centre «KURCHATOV INSTITUTE», Joint Institute for Nuclear Research</i> INS spectrometers at FLNP JINR: challenges and perspectives
16:30-17:00	Coffee break
17:00-19:00	POSTER SECTION Chair: Evgeny KRAVTSOV
P1. Elena SHERSTOBITOVA <i>M.N. Mikheev Institute of metal physics of UB RAS</i> Topological analysis of Li⁺ cations migration paths in lithium-vanadium bronze of Li_{1+x}V₃O₈ type	
P2. Marina MAKAROVA <i>M.N. Mikheev Institute of metal physics of UB RAS</i> Magnetic moment ordering of Dy/Co superlattices from polarized neutron reflectometry	
P3. Bulat BAKIROV <i>Joint Institute for Nuclear Research</i> Convolutional Neural Networks for Neutron Tomography	
P4. Maria PETROVA <i>Joint Institute for Nuclear Research</i> Neutron beam monitor based on 10B-RPC with delay line	
P5. Anna SUSLOPAROVA <i>Petersburg Nuclear Physics Institute named by B.P.Konstantinov of NRC «Kurchatov Institute»</i> Crystal structure and magnetism of SmCrTiO₅	
P6. Xiaoxue WU <i>Institute of high energy physics CAS, CSNS</i> Electrostatic Interaction Effect on Phase Separation of Polymer Blends at Low Salt Fraction	
P7. Artem KLAUZ <i>National Research Nuclear University MEPhI, NRC «Kurchatov Institute»</i> Determination of parameters for SANS data processing of ODS steels on the basis of complementary analysis by TEM and APT methods	
P8. Maxim SYRTANOV <i>National Research Tomsk Polytechnic University</i> Development status of the neutron powder diffractometer at the TPU research reactor	

P9. Tatiana GLUSHKOVA

Petersburg Nuclear Physics Institute named by B.P.Konstantinov of NRC «Kurchatov Institute»

Prototypes of neutron PSDs based on ZnS:Li6 and SiPM scintillators

P10. German KULIN

Joint Institute for Nuclear Research

Non-stationary transformation of neutron energy at diffraction on a moving grating and SAW

P11. Natalia A. GRIGORYEVA

M.N. Mikheev Institute of metal physics of UB RAS

Time-of-flight neutron reflectometer for compact neutron source DARIA: Monte Carlo simulations

P12. Sergey V. GRIGORIEV,

Petersburg Nuclear Physics Institute named by B.P.Konstantinov of NRC «Kurchatov Institute»

Numerical Experiment on Small-Angle Scattering on Solid Nanospheres Using CANS DARIA

19:00-20:30

Dinner

Thursday, October 10

9:00-10:30

SECTION: FACILITY REPORTS

Chair: Dongfeng CHEN

Extended talks: 30 min

9:00-9:30

E5. Tianjiao LIANG

Institute of high energy physics CAS, CSNS

Report from CSNS

9:30-10:00

E6. Egor LYCHAGIN

Joint Institute for Nuclear Research

IBR-2 status report

10:00-10:30

E7. Tianfu LI

China Institute of atomic energy, CARR

CARR neutron facilities and applications

10:30-11:00

Coffee break

11:00-13:00

SECTION: FACILITY REPORTS

Chair: Egor LYCHAGIN

Extended talks: 30 min

11:00-11:30

E8. Alexander V. BELUSHKIN

National Research Centre «KURCHATOV INSTITUTE»,

Joint Institute for Nuclear Research

Experimental capabilities of the neutron research complex based on the IR-8 reactor

11:30-12:00

E9. Jie CHEN

Institute of Nuclear Physics and Chemistry, CAEP

Recent Progress of Neutron Scattering Instrumentations and Applications in China Mianyang Research Reactor(CMRR)

12:00-12:30

E10. Andrei F. GUBKIN

M.N. Mikheev Institute of metal physics of UB RAS

Neutron material science facility at the IVV-2M reactor

12:30-13:00

E11. Vladislav TARNAVICH

Petersburg Nuclear Physics Institute named by B.P.Konstantinov of NRC «Kurchatov Institute»

Construction of the neutron facility for condensed matter physics on the PIK reactor: current state

13:00-14:30

Lunch

14:30-18:00 **Excursion program**

19:00-22:00 **OFFICIAL SRNS DINNER / BANQUET**

Friday, October 11

09:00-10:30 SECTION: NEUTRON SOURCES, INSTRUMENTS AND EXPERIMENT TECHNIQUES

Chair: Vladislav TARNAVICH

Extended talks 30 min /Regular talk: 15min

9:00-9:30

E12. Mikhail S. ONEGIN

Petersburg Nuclear Physics Institute named by B.P.Konstantinov of NRC «Kurchatov Institute»

Advanced cold neutron sources at the reactor PIK: (status and development prospects)

9:30-10:00

E13. Jie CHEN

Institute of high energy physics CAS, CSNS

Energy-resolved neutron imaging instrument at CSNS

10:00-10:15

R25. German KULIN

Joint Institute for Nuclear Research

UCN source at periodic pulsed reactor

10:15-10:30

R26. Sergey TASKAEV

Budker Institute of Nuclear Physics of SB RAS

Accelerator based neutron source VITA

10:30-11:00

Coffee break

11:00-12:45

SECTION: NEUTRON SOURCES, INSTRUMENTS AND EXPERIMENTAL TECHNIQUES

Chair: Jie CHEN (INPC CAEP)

Regular talk: 15 min

11:00-11:30

E14. Alexander FRANK

Joint Institute for Nuclear Research

Acceleration effect in quantum mechanics and neutron optics

11:30-11:45

R27. Zhijian FAN

Institute of Nuclear Physics and Chemistry, CAEP

Recent Progress of Neutron Residual Stress Diffractometers and Applications at China Mianyang Research Reactor(CMRR)

11:45-12:00

R28. Mariia IUZVIUK

Petersburg Nuclear Physics Institute named by B.P.Konstantinov of NRC «Kurchatov Institute»

Complex of triple axis spectrometers at the PIK reactor

12:00-12:15	R29. Liubov A. AZAROVA <i>Petersburg Nuclear Physics Institute named by B.P.Konstantinov of NRC «Kurchatov Institute»</i> Spin-echo and small-angle neutron scattering instruments at the PIK reactor
12:15-12:30	R30. Zijun WANG <i>China Institute of atomic energy, CARR</i> Development of silicon focusing neutron monochromator
12:30-12:45	R31. Evgeniy V. ALTYNBAEV <i>Petersburg Nuclear Physics Institute named by B.P.Konstantinov of NRC «Kurchatov Institute»</i> Development of neutron instrument components by NRC "Kurchatov Institute" – PNPI
12:45-13.05	CLOSING CEREMONY
13:05-14:30	Lunch