

# **Workshop on the neutron scattering technology and multi-disciplinary research**

**Monday, 13 May 2024 - Wednesday, 15 May 2024**

**International Conference Centre  
Programme**

# Monday, 13 May 2024

## 9: Welcome and Opening (the JINR Directorate and Directorate of the CSNS) : (09:00 - 09:30)

### General Reports: Session 1 (09:30 - 11:10)

time	title	presenter
09:30	Review report on scientific activities and infrastructure of FLNP	LYCHAGIN, Egor
09:55	CSNS overview (accelerator, source and instrument)	
10:20	Nuclear physics investigations at FLNP	KOPACH, Yuri
10:45	Nuclear data measurement (Back-n)	FAN, Ruirui

### General Reports: Session 2 (11:45 - 13:50)

time	title	presenter
11:45	Fourier and Real Time Diffractometry at the IBR-2 and Science / High Pressure Diffraction and Imaging at the IBR-2 and Science	KICHANOV, Sergey SUMNIKOV, Sergey
12:10	Diffraction instruments and science (GPPD MPI HP HR)	YIN, Wen
12:35	Instruments for industry application (EMD ANIS Imaging)	ZHANG, Junrog
13:00	CSNS II instruments (7 instruments)	WANG, Fangwei LIANG, Tianjiao
13:25	Small Angle Neutron Scattering at the IBR-2 and Science	KUKLIN, Alexander IVANKOV, Oleksandr

### General Reports: Session 3 (15:00 - 16:40)

time	title	presenter
15:00	Reflectometry at the IBR-2 and Science	AVDEEV, Mikhail
15:25	Large Scale instruments and science (SANS VSANS Reflectometer)	KE, Yubin
15:50	Inelastic spectrometer (D + C+ P)	ZHANG, Junrong TONG, Xing
16:15	Inelastic neutron spectrometer	CHUDOBA, Dorota

### General Reports: Session 4 (17:00 - 17:50)

time	title	presenter
17:00	Sample environment and polarizer	TONG, Xing
17:25	Cryogenic sample environment systems at instruments at the IBR-2 reactor	CHERNIKOV, Alexander

## Tuesday, 14 May 2024

### General Reports: Session 5 (09:30 - 11:10)

time	title	presenter
09:30	Development of neutron detectors with boron converter in FLNP	BODNARCHUK, Viktor
09:55	Development and application of He-3 and scintillation neutron detectors at instruments at the IBR-2 reactor	MILKOV, Vasil
10:20	Data acquisition system at instruments at the IBR-2 reactor 1,2	KAZLIAKOUSKAYA, Anastasiya SHVETSOV, Valery
10:45	Software for data acquisition and instrument control Sonix+	KIRILOV, Andrey

### General Reports: Session 6 (11:30 - 14:00)

time	title	presenter
11:30	Detectors and electronics 1	SUN, Zhijia
11:55	Detectors and electronics 2	LIU, Hongbin
12:20	Data analysis /software and experimental control 1	ZHANG, Junrong
12:45	Data analysis /software and experimental control 2	ZHUANG, Jiang
13:10	Development of cold neutron moderators at FLNP	KULIKOV, Sergey
13:35	Technological systems of pelletized cold neutron moderators based on hydrocarbons	BULAVIN, Maxim

### Transfer: to the JINR sites (15:10 - 15:30)

### Excursions (15:30 - 18:00)

time	title	presenter
15:30	IBR-2 reactor	
16:45	NICA -accelerator	

### Transfer: to the restaurant (18:00 - 18:30)

### Transfer: to the Hotel "Dubna" (21:00 - 21:20)

# Wednesday, 15 May 2024

## **General Reports: Session 7 (09:00 - 10:40)**

time	title	presenter
09:00	TMR experience and UCN developments 1	YIN, Wen
09:25	TMR experience and UCN developments 2	LIANG, Tianjiao
09:50	UCN source with pulsed accumulation of neutrons in a trap	KULIN, German
10:15	Some problems of long-wave neutrons optics	FRANK, Alexander

## **General Reports: Session 8 (11:00 - 11:50)**

time	title	presenter
11:00	Neutron optics	KANG, Le
11:25	Simulation of neutron instruments	SADILOV, Valentin

## **: General discussion. Signing of Protocol of Collaboration. Closing of the Workshop :| (11:50 - 14:00)**

## **Transfer: to the airport (16:00 - 16:10)**