**FLNP JINR – CSNS IHEP (China)**

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

International Conference Centre  (2, Stroiteley str.)

**13.05.2024 – 15.05.2024**

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| **13.05.2024**  **International Conference Centre  (2, Stroiteley str.)**  (20 min. talk + 5 min. questions) | | | | |
|  | 09.00 – 09.20 | Welcome and Opening (the JINR Directorate and Directorate of the CSNS) |  |
|  | 09.20 – 09.40 | Review report on scientific activities and infrastructure of FLNP | Lychagin E. |
|  | 09.45 – 10.05 | CSNS overview | Wang Sheng |
|  | 10.10 – 10.30 | Nuclear physics investigations at FLNP | Kopach Yu. |
|  | 10.35 – 10.55 | Nuclear data measurement at CSNS | Fan Ruirui |
|  | 11.00 – 11.25 | ***Coffee break, Group photo*** |  |
|  | 11.25 – 11.45 | Fourier and Real Time Diffractometry at the IBR-2 and Science | Sumnikov S. |
|  | 11.50 – 12.10 | High Pressure Diffraction and Imaging at the IBR-2 and Science | Kichanov S. |
|  | 12.15 – 12.35 | Diffraction Instruments at CSNS and Science | Yin Wen |
|  | 12.40 – 13.00 | Instruments for Industry Application at CSNS | Zhang Junrong |
|  | 13.05 – 13.25 | CSNS II Instruments | Liang Tianjiao |
|  | 13.30 – 13.50 | Small Angle Neutron Scattering at the IBR-2 and Science | Ivankov A. |
|  | 13.55 – 15.10 | ***Lunch***  *House of Scientists (Joliot Curie 6, JINR)* |  |
|  | 15.10 – 15.30 | Reflectometry at the IBR-2 and Science | Avdeev M. |
|  | 15.35 – 15.55 | Large Scale Instruments at CSNS and Science | Ke Yubin |
|  | 16.00 – 16.20 | Inelastic spectrometer at CSNS | Zhang Junrong |
|  | 16.25 – 16.45 | Inelastic neutron spectrometer | Chudoba D. |
|  | 16.50 – 17.10 | ***Coffee break*** |  |
|  | 17.10 – 17.30 | Sample Environment and Polarizer at CSNS | Kang Le |
|  | 17.35 – 17.55 | Cryogenic sample environment systems at instruments at the IBR-2 reactor | Chernikov A. |
|  | 18.30 | ***Welcome party***  *House of Scientists (6, Joliot Curie, JINR)* |  |
| **14.05.2024** | | | | |
|  | 09.30 – 09.50 | Development of neutron detectors with boron converter in FLNP | Bodnarchuk V. |
|  | 09.55 – 10.15 | Development and application of He-3 and scintillation neutron detectors at instruments at the IBR-2 reactor | Milkov V. |
|  | 10.20 – 10.40 | Data acquisition system at instruments at the IBR-2 reactor 1 | Shvetsov V. |
|  | 10.45 – 11.05 | Data acquisition system at instruments at the IBR-2 reactor 2 | Kozlyakovskaya N. |
|  | 11.10 – 11.30 | ***Coffee break*** |  |
|  | 11.30 – 11.50 | Software for data acquisition and instrument control Sonix+ | Kirilov A. |
|  | 11.55 – 12.15 | Detector Development at CSNS | Liu Hongbin |
|  | 12.20 – 12.40 | Electronics and DAQ at CSNS | Liu Hongbin |
|  | 12.45 – 13.05 | Data analysis software and experimental control | Zhang Junrong |
|  | 13.10 – 13.30 | Development of cold neutron moderators at FLNP | Kulikov S. |
|  | 13.35 – 13.55 | Technological systems of pelletized cold neutron moderators based on hydrocarbons | Bulavin M. |
|  | 14.00 – 15.10 | ***Lunch***  *House of Scientists (6, Joliot Curie, JINR)* |  |
|  | 15.10 – 15.30 | *Transfer to the JINR sites.*  *Buses from the Hotel Dubna (2 groups)* |  |
|  | 15.30 – 18.00 | Group 1 - Vizit to the IBR-2 reactor (spectrometers, cold moderators and cryogenics), NEOKS Department  Group 2 - Vizit to NICA, FLNR |  |
|  | 18.00 – 18.30 | *Transfer to the* *Restaurant Barion, 2, Moscovskaya str.* |  |
|  | 18.30 – 21.00 | ***Dinner*** |  |
|  | 21.00 | *Transfer to the Hotel Dubna, 8, Vekslera str.* |  |
| **15.05.2024** | | | | |
|  | 09.00 – 09.20 | Target-moderator-reflector experience and R&D at CSNS | Wen Yin |
|  | 09.25 – 09.45 | UCN source development at CSNS | Liang Tianjiao |
|  | 09.50 – 10.10 | UCN source with pulsed accumulation of neutrons in a trap | Kulin G. |
|  | 10.15 – 10.35 | Some problems of long-wave neutrons optics | Frank A.I. |
|  | 10.40 – 11.00 | ***Coffee break*** |  |
|  | 11.00 – 11.20 | Neutron optics at CSNS | Kang Le |
|  | 11.25 – 11.45 | Simulation of neutron instruments | Sadilov V. |
|  | 12.00 – 14.00 | General discussion, Signing of Memorandum of Understanding CSNS-FLNP, Closing of the Workshop |  |
|  | 14.00 – 15.10 | ***Lunch***  *House of Scientists (6, Joliot Curie, JINR)* |  |
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