

12th Collaboration Meeting of the BM@N Experiment at the NICA Facility

Sunday, May 12, 2024 - Saturday, May 18, 2024

Program

Sunday, May 12, 2024

Arrival in Almaty (3:20 PM - 6:20 PM)

Dinner (7:00 PM - 8:00 PM)

Monday, May 13, 2024

Registration - Dossym Suleyev Assembly Hall (9:20 AM - 9:50 AM)

Welcome (9:50 AM - 10:00 AM)

- **Presenter:** YERMEKBAYEV, Samgat

Plenary - Dossym Suleyev Assembly Hall (10:00 AM - 11:20 AM)

- **Conveners:** Alexander Sorin

time	[id] title	presenter
10:00 AM	[1] Status of the BM@N experiment	KAPISHIN, Mikhail
10:30 AM	[2] Detectors in the Xe run and plans	PIYADIN, Semen
10:55 AM	[3] Status of the Booster and Nuclotron	VALERY, Lebedev

Photo - Dossym Suleyev Assembly Hall (11:20 AM - 11:25 AM)

Coffee Break - Dossym Suleyev Assembly Hall (11:25 AM - 11:45 AM)

Analysis meeting - Dossym Suleyev Assembly Hall (11:45 AM - 1:05 PM)

- **Conveners:** Alexander Zinchenko

time	[id] title	presenter
11:45 AM	[134] On the paper draft "Production of p,d,t in agron-nucleous interactions at 3.2 AGeV"	KOVACHEV, Lalyo
12:10 PM	[135] BM&N results on light nuclei and prospects for the study of the production of composite nuclear fragments at NICA energies	KOLESNIKOV, Vadim
12:40 PM	[136] Status of p-d femtoscopy	ALEKSEEV, Petr

Lunch (1:05 PM - 2:25 PM)

Analysis meeting - Dossym Suleyev Assembly Hall (2:25 PM - 3:45 PM)

- **Conveners:** Sergei Merts

time	[id] title	presenter
2:25 PM	[137] Analysis of data on Λ and K_s production	ZINCHENKO, Alexander
2:55 PM	[138] Anisotropic flow measurements in the recent Xe+Cs(I) run	MAMAEV, Mikhail
3:25 PM	[139] Modification of DCM-QGSM-SMM	MUSULMANBEKOV, Genis

Coffee Break - Dossym Suleyev Assembly Hall (3:45 PM - 4:00 PM)

IB meeting: <https://indico.jinr.ru/event/4396/> - Dossym Suleyev Assembly Hall (4:00 PM - 6:00 PM)

Dinner (6:30 PM - 7:30 PM)

Tuesday, May 14, 2024

Detector meeting - Dossym Suleyev Assembly Hall (10:00 AM - 11:20 AM)

-Conveners: Semen Piyadin

time	[id] title	presenter
10:00 AM	[111] Status of the trigger system	SEDYKH, Sergey
10:20 AM	[112] Upgrade of the trigger electronics	ROGOV, Victor
10:40 AM	[113] Beam tracker (via ZOOM)	CHEMEZOV, Danil
11:00 AM	[114] Forward Silicon Tracker status (in Russian)	TARASOV, Oleg

Coffee Break - Dossym Suleyev Assembly Hall (11:20 AM - 11:40 AM)

Detector meeting - Dossym Suleyev Assembly Hall (11:40 AM - 1:00 PM)

-Conveners: Semen Piyadin

time	[id] title	presenter
11:40 AM	[115] Status of the GEM and CSC systems	KULISH, Elena
12:00 PM	[117] Si-station based on STS modules	DEMENTEV, Dmitrii
12:20 PM	[118] Exploiting the tagging of projectile light fragments at BM@N	REYES PEÑA, Solné
12:40 PM	[121] Test of the ECAL modules as gamma protection for the neutron detector	AFANASIEV, Sergei

Lunch (1:00 PM - 2:20 PM)

Analysis meeting - Dossym Suleyev Assembly Hall (2:20 PM - 3:50 PM)

-Conveners: Alexander Zinchenko

time	[id] title	presenter
2:20 PM	[140] Study of Λ -hyperon production in carbon collisions with solid targets (Run6)	ALISHINA, Ksenia
2:40 PM	[141] Anisotropic flow measurements at Nuclotron-NICA and equation of State	PARFENOV, Peter
3:05 PM	[142] Review of methods for measuring collective fluxes and global polarization of lambda hyperons	TROSHIN, Valery
3:25 PM	[143] Measurement of neutron energy spectra in the region of large angles in Xe + CsI collisions at energy of 3.8 A GeV	LASHMANOV, Nikita

Coffee Break - Dossym Suleyev Assembly Hall (3:50 PM - 4:10 PM)

Analysis meeting - Dossym Suleyev Assembly Hall (4:10 PM - 6:25 PM)

-Conveners: Alexander Zinchenko

time	[id] title	presenter
4:10 PM	[144] Report on the QA and run-by-run systematics in the Xe+Cs(I) run (via ZOOM)	DEMANOV, Alexander
4:30 PM	[145] Pileup studies in run 8 data (via ZOOM)	GOLOSOV, Oleg

4:50 PM	[146] Status of reconstruction analysis of Λ and K-short in the BM@N experiment	BARAK, Ramin
5:10 PM	[147] Performance of ToF-700 and big CSC	MERTS, Sergei
5:30 PM	[148] Estimation of the efficiency of small CSCs in Xenon run	PLOTNIKOV, Vasiliy
5:50 PM	[149] Performance of the TOF400 system in Xe run	RUMYANTSEV, Michael

Dinner (7:10 PM - 8:10 PM)

Wednesday, May 15, 2024

Excursion / Free day (7:30 AM - 7:30 PM)

Thursday, May 16, 2024

Software meeting - Dossym Suleyev Assembly Hall (9:15 AM - 11:10 AM)

-Conveners: Konstantin Gertsenberger

time	[id] title	presenter
9:15 AM	[122] What the AI can do for us	RATNIKOV, Fedor
9:35 AM	[123] BM@N Software Progress	GERTSENBERGER, Konstantin
9:55 AM	[124] Software contribution from MIPT: Development of software systems for BM@N	OLGA, Nemova
10:10 AM	[125] Contribution of the St. Petersburg University group to the development of software for the BM@N experiment	NEMNYUGIN, Sergei
10:25 AM	[126] Automated BM@N Software Distribution and Testing: Current Status	BALASHOV, Nikita
10:40 AM	[127] Storage Service for Scientific Documentation	SOKOLOV, Ivan
10:55 AM	[130] Production of the Configuration Information system for the BM@N experiment	ALEKSANDROV, Igor

Coffee Break - Dossym Suleyev Assembly Hall (11:10 AM - 11:30 AM)

Software meeting - Dossym Suleyev Assembly Hall (11:30 AM - 1:00 PM)

-Conveners: Konstantin Gertsenberger

time	[id] title	presenter
11:30 AM	[128] BM@N distributed computing status and analytics	PELEVANYUK, Igor
11:45 AM	[129] Integration of the DIRAC File Catalogue for the BM@N experiment (via ZOOM)	ZIRONKIN, Igor
12:00 PM	[158] RUCIO File Catalogue as a solution for the BM@N experiment (via ZOOM)	ALEXANDROV, Anatoly
12:15 PM	[159] Software for the hybrid tracking system of the next BM@N run	BARANOV, Dmitry
12:30 PM	[131] Production version of BM@N Geometry Database	ALEXANDROV, Evgeny
12:45 PM	[132] Status of the geometry alignment for BM@N inner tracker system (via ZOOM)	SHARIPOV, Zarif

Lunch (1:00 PM - 2:20 PM)

Analysis meeting - Dossym Suleyev Assembly Hall (2:20 PM - 3:45 PM)

-Conveners: Alexander Zinchenko

time	[id] title	presenter
2:20 PM	[150] New data flow processing for TOF700	ZHAVORONKOVA, Irina
2:35 PM	[151] Status of the pi+, K+ analysis in the Xe+Csl run	MASHITSIN, Konstantin
2:50 PM	[152] Centrality assessment of Xe+Csl@3.8AGeV collisions using forward detectors at BM@N experiment	KARPUSHKIN, Nikolay
3:05 PM	[154] Measurement of forward neutron yields with a High Granular Neutron Time-of-Flight Detector prototype from electromagnetic dissociation and nuclear interaction in Xe+Csl@3.8 AGeV collisions at the BM@N experiment	ZUBANKOV, Aleksandr

3:25 PM	[155] Analysis of the ^{124}Xe nucleus electromagnetic dissociation in the $\text{Xe}+\text{CsI}$ reaction	SAKULIN, Dmitriy
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Coffee Break - Dossym Suleyev Assembly Hall (3:45 PM - 4:05 PM)

Detector and Analysis Meeting - Dossym Suleyev Assembly Hall (4:05 PM - 6:30 PM)

time	[id] title	presenter
5:05 PM	[164] Charged fragments-spectators measurements with Scintillation Wall in the BM@N experiment $\text{Xe}+\text{CsI}@3.8 \text{ AGeV}$	VOLKOV, Vadim
5:20 PM	[160] High-Granular Time-of-Flight Neutron Detector HGND for the BM@N experiment	MOROZOV, Sergey
5:40 PM	[161] Mechanical design, front-end electronics and integration of the HGND readout into the B@MN experiment data acquisition system	FINOGEEV, Dmitry MAKHNEV, Aleksandr
6:00 PM	[162] ML-based neutron reconstruction in the HGND at the BM@N experiment	BOCHARNIKOV, Vladimir
6:15 PM	[163] Algorithm of neutron identification with the HGND at the BM@N experiment (via ZOOM)	SHABANOV, Arseniy

Collaboration Dinner (7:00 PM - 11:00 PM)

Friday, May 17, 2024

NICA Days 2024 (satellite meeting) - Dossym Suleyev Assembly Hall (9:00 AM - 3:00 PM)

Lunch (1:00 PM - 2:00 PM)

Dinner (7:00 PM - 8:00 PM)

Saturday, May 18, 2024

Departure (6:00 PM - 9:00 PM)