

9th Collaboration Meeting of the BM@N Experiment at the NICA Facility

Tuesday, 13 September 2022 - Friday, 16 September 2022

LHEP JINR Programme

Tuesday 13 September 2022

Bus: from Hotel "Dubna" to VBLHEP (13:00-13:30)

Registration - Room 241, Building 215 (13:30-14:00)

Plenary I - Conference Hall, Building 215 (14:00-15:30)

-Conveners: Sergei Merts

time	title	presenter
14:00	Welcome	KEKELIDZE, Vladimir
14:05	Status of the BM@N experiment	KAPISHIN, Mikhail – BM@N Spokesperson
14:35	Detector installation, experimental zone	PIYADIN, Semen
15:00	Status of the Booster and Nuclotron	SYRESIN, Evgeny

Photo - Conference Hall (15:30-15:40)

Coffee break - Conference Hall, Building 215 (15:40-16:00)

IB meeting: <https://indico.jinr.ru/event/3219/> - Building 215, Room 241 (16:00-18:00)

-Conveners: Mikhail – BM@N Spokesperson Kapishin

Wednesday 14 September 2022

Detector meeting - Conference Hall, Building 215 (09:30-10:50)

-Conveners: Elena Kulish

time	title	presenter
09:30	Fwd Si + Si beam detectors	N. ZAMIATIN ET AL
09:55	Status of STS project	DEMENTEV, Dmitrii MERKIN, Mikhail
10:15	Variant of the FEE chip for STS	ATKIN, Eduard
10:30	Status of GEM and CSC detectors	GALAVANOV, Andrei

Coffee break - Conference Hall, Building 215 (10:50-11:20)

Detector meeting - Conference Hall, Building 215 (11:20-13:00)

-Conveners: Elena Kulish

time	title	presenter
11:20	Trigger system for Xe run	SERGEEV, Sergey
11:40	TOF neutron spectrometer with compact neutron detectors	YUREVICH, Vladimir
12:00	Commissioning of the forward spectators detectors at SRC run. Readiness for Xe run	KARPUSHKIN, Nikolay
12:20	Status of the neutron detector prototype for Xe run	MAKHNEV, Alexander MOROZOV, Sergey
12:45	Detector spatial resolution optimization based on neural networks	TSKHAY, Vladimir

Lunch - Canteen (13:00-14:00)

Analysis meeting - Conference Hall, Buildig 215 (14:00-15:20)

-Conveners: Alexander Zinchenko

time	title	presenter
14:00	T0 talk: Production of π^+ , K^+ mesons in 3.2 A GeV argon-nucleus interactions	PLOTNIKOV, Vasily
14:40	Production of Λ hyperons in 4.0 and 4.5 A GeV carbon-nucleus interactions	STEPANENKO, Yury
15:00	On Luminosity corrections and uncertainties in carbon and argon runs	ZAVERTYAEV, Mikhail

Coffee break - Conference Hall (15:20-15:40)

Analysis meeting - Conference Hall, Buildig 215 (15:40-17:30)

time	title	presenter
15:40	ToF-700 fragment analysis in argon run	KOVACHEV, Lalyo
16:00	ToF-700 π^+ and π^- analysis	MASHITSIN, Konstantin
16:20	Fragment analysis in SRC 2018 run	DRIUK, Andrei
16:40	Flows: comparison of models	PARFENOV, Peter
17:00	Review of existing results on the measurement of flows at the BM@N energy range and what new measurements are needed	TARANENKO, Arkadiy

Thursday 15 September 2022

Bus: Маршрут: гостиница "Дубна" - Московская 2 - ост. напротив маг. "Перекресток" на ЧР - причал БВ (09:00-10:00)

Lipnya Island: Departure from the Bolshaya Volga pier (10:00-11:30)

Lipnya Island: Welcome coffee break (11:30-12:00)

Lipnya Island: Software meeting (12:00-15:00)

-Conveners: Konstantin Gertsenberger

time	title	presenter
12:00	Current status of the BmnRoot performance optimization	NEMNYUGIN, Sergei
12:15	Development of an interactive virtual reality application for the BM@N Experiment Visualization	IUSUPOVA, Anastasiia
12:30	Software contribution from MIPT: Development of software systems and services for BM@N	KLIMAI, Peter
12:50	Status of the Configuration Information System for BM@N online processing	ALEXANDROV, Igor
13:05	Online Processing System for the BM@N experiment	ROMANOV, Ilya
13:20	The NICA cluster: status and future	SLEPOV, Ivan
13:35	BM@N mass data production on the distributed computing infrastructure with DIRAC	PELEVANYUK, Igor
13:50	Simulation results of BM@N computing infrastructure	PRIAKHINA, Daria

Lipnya Island: Collaboration barbeque (15:00-18:30)

Lipnya Island: Departure (18:30-20:00)

Bus: Маршрут: причал БВ - гостиница "Дубна" (20:00-21:00)

Friday 16 September 2022

Plenary II: Feasibility studies for Xe run - Conference Hall, Building 215 (09:30-11:00)

-Conveners: Arkadiy Taranenko

time	title	presenter
09:30	Hyperon reconstruction in Xe run	ZINCHENKO, Alexander
09:50	Event reconstruction in Xe run	MERTS, Sergei
10:10	On centrality reconstruction in Xe run	SEGAL, Ilya
10:30	On reaction plane and flow reconstruction in Xe run	MAMAEV, Mikhail

Coffee break - Conference Hall, Building 215 (11:00-11:20)

Plenary II: Feasibility studies for Xe run - Conference Hall, Building 215 (11:20-12:00)

-Conveners: Arkadiy Taranenko

time	title	presenter
11:20	Simulation of charged spectator distributions on ScWall for XeCsl@2.9 AGeV run	ZHEREBTSOVA, Elizaveta
11:40	BM@N software progress and roadmap	GERTSENBERGER, Konstantin

Software meeting - Conference Hall, Building 215 (12:00-13:00)

-Conveners: Konstantin Gertsenberger

time	title	presenter
12:00	Online monitoring in Xe run	GABDRAKHMANOV, Ilnur
12:20	GEM detector simulation for the configuration of the upcoming BM@N Run	BARANOV, Dmitriy

Lunch - Canteen (13:00-14:00)

Detector meeting - Room 347, Building 215 (14:00-15:00)

-Conveners: Sergei Afanasiev

time	title	presenter
14:00	Разделение фотонов и нейтронов с помощью прототипа детектора HGN	TAER, George
14:20	Разделение фотонов и нейтронов с помощью прототипа детектора HGN	ZHIGAREVA, Natalia
14:40	Optimization of the neutron detector prototype cell	SAKULIN, Dmitriy

Meeting with students from MEPHI and excursion to BM@N (15:00-16:00)

-Conveners: Dmitry Dryablov