

7th Collaboration Meeting of the BM@N Experiment at the NICA Facility

Monday, 19 April 2021 - Tuesday, 20 April 2021

VBLHEP Programme

Monday 19 April 2021

Software meeting - NICA Hall Building 215 (10:00-13:00)

-Conveners: Konstantin Gertsenberger

time	[id] title	presenter
10:00	[22] Status of the Geometry Database and steps to integrate into the BM@N experiment	ALEXANDROV, Evgeny
10:20	[23] Design of the Event Metadata System for BM@N and testing the first prototypes	YAKOVLEV, Alexander
10:40	[26] DIRAC workload management system and the very first results for the BM@N experiment	PELEVANYUK, Igor
11:00	[24] Intel DAOS with Optane Technology for High-Performance Storage	MATVEEV, Mikhail
11:20	Coffee	
11:40	[27] Software contribution from SPbU: algorithmic and code optimization of the BmnRoot framework	NEMNYUGIN, Sergei
12:05	[28] Software contribution from MIPT: implementation of systems and services for BM@N	KLIMAI, Peter
12:30	[29] Development of tools for event data decoding and quality analysis	GABDRAKHMANOV, Ilnur
12:45	[25] Deployment structure of the information services for BM@N on the NICA cluster	SLEPOV, Ivan

Detector meeting - Conference Hall Building 215 (10:00-13:00)

-Conveners: Anna Maksymchuk

time	[id] title	presenter
10:00	[33] Upgrade of the trigger system	SEDYKH, Sergey
10:20	[31] Status of the GEM/CSC tracking systems	KULISH, Elena
10:40	[30] Status of the ECAL	AFANASIEV, Sergei
11:00	[32] Status of FHCAL and forward charged fragments hodoscopes	MOROZOV, Sergey
11:20	Coffee Break	
11:40	[34] Ion beam pipe for BM@N experiment, current status and schedule	KUBANKIN, Aleksandr
12:00	[35] Magnetic field measurements of the SP-41 magnet	SHINDIN, Roman
12:20	[36] The impact of materials and frames on trigger protons and recoil fragments	NEPOCHATYKH, Sergey
12:35	[37] Simulation of magnetic shielding for PMTs next to SP-41 magnet	ATOVULLAEV, Timur
12:50	[38] Report on development of the carbon beam pipe for BM@N	CHUDOBA, Petr

Analysis meeting - Room 347, Building 215 (10:00-13:00)

-Conveners: Alexander Zinchenko

time	[id] title	presenter
10:00	[14] Status of C+A data analysis (Run 6)	STEPANENKO, Yury
10:20	[15] ZDC response study in CC@4AGeV (Run6)	ZHEREBTSOVA, Elizaveta
10:35	[16] Methods of centrality determination in AuAu@4.5 AGeV with FHCAL and fragments hodoscope	KARPUSHKIN, Nikolay

10:50	[17] Recent progress in Λ^0 -reconstruction with argon data	BATYUK, Pavel
11:10	Coffee Break	
11:40	[18] The Status of Identification in Argon Run, TOF400	PLOTNIKOV, Vasily
12:00	[19] TOF particle identification in Argon data run 7	KOVACHEV, Lalyo
12:20	[21] Analysis of fragment production in C + p reaction on the SRC data	DRIUK, Andrei
12:40	[20] Application of the Vector Finder toolkit for track reconstruction in BM@N	ZINCHENKO, Alexander

Lunch - Canteen (13:00-14:00)**Plenary I - Conference Hall, Building 215 (14:00-16:40)**

time	[id] title	presenter
14:00	[1] Welcome	KEKELIDZE, Vladimir
14:05	[2] Status of the BM@N experiment	KAPISHIN, Mikhail
14:25	[3] Upgrade of the BM@N detectors	MAKSYMCHUK, Anna
14:55	[4] Status of the Booster and Nuclotron	SYRESIN, Evgeny
15:25	Coffee Break	
15:40	[5] STS tracking system for BM@N	MURIN, Yuri
16:10	[6] Forward Silicon Tracker and beam detectors	TOPKO, Bogdan

IB Meeting - <https://indico.jinr.ru/event/2092/> (16:40-18:00)

Tuesday 20 April 2021

Plenary II - Conference Hall, Building 215 (10:00-15:00)

time	[id] title	presenter
10:00	[7] Summary of the analysis meeting	ZINCHENKO, Alexander
10:30	[8] Summary of the detector meeting	SEDYKH, Sergey
11:00	Coffee Break	
11:20	[9] BM@N software development and summary of the software meeting	GERTSENBERGER, Konstantin
11:45	[10] Status of the BM@N simulation and data reconstruction	MERTS, Sergei
12:10	[11] Update on physics case and observables of the BM@N heavy-ion program	SENGER, Peter
12:30	[12] Discussion of the results and upgrade status	KAPISHIN, Mikhail
13:00	Lunch	
14:00	[13] Preparation for the SRC run	KAHLBOW, Julian
14:30	Coffee break and end of the Meeting	