Program

12–14 May 2026

16th Collaboration Meeting of the BM@N Experiment at NICA

VBLHEP JINR, Conference Hall, Bld. 3

Tuesday 12 May

09:00 – 09:30

Bus: Dubna Hotel --> VBLHEP

Session | **Location:** Dubna Hotel

09:30 – 10:00

Registration

Session | **Location:** VBLHEP JINR, Conference Hall, Bld. 3

10:00 – 10:45

Plenary

Session | **Location:** VBLHEP JINR, Conference Hall, Bld. 3 | **Convener:** Sergei Merts

10:00–10:05 **Welcome and Opening**

Speaker
Andrey Butenko

10:05–10:25 **Status of the BM@N Experiment**

Speaker
Richard Lednicky

10:25–10:45 **Status of the BM@N Detector**

Speaker
Semen Piyadin

10:45 – 10:50

Photo

Session | **Location:** VBLHEP JINR, Conference Hall, Bld. 3

10:50 – 11:20

Coffee Break

Break | **Location:** VBLHEP, Canteen, 2nd Floor

11:20 – 13:00

Analysis Meeting

Session | **Location:** VBLHEP JINR, Conference Hall, Bld. 3 | **Convener:** Sergei Merts

11:20–11:45 **Probing nuclear structure in fixed target experiments with heavy ions**

Speaker
Igor Pshenichnov

11:45–12:15 **Progress in the charged hadron analysis in Xe+CsI at 3.8A GeV**

Speaker
Vadim Kolesnikov

12:15–12:50 **Strangeness production analysis in Xe+CsI interactions**

Speaker
Alexander Zinchenko

13:00 – 14:00

Lunch

Break | **Location:** VBLHEP, Canteen

14:00

Analysis Meeting

Session | **Location:** VBLHEP JINR, Conference Hall, Bld. 3 | **Convener:** Alexander Zinchenko

14:00–14:20 **Centrality determination methods in the BM@N experiment**

Speaker
Dim Idrisov

14:20–14:45 **Estimating the centrality of Xe_CsI collisions at 3.8A GeV**

Speaker
Valery Troshin

14:45–15:05 **Baryon femtoscopy in 3.2 AGeV argon-nucleus interactions**

Speaker
Petr Alekseev

15:05–15:25 **Lambda-p and Lambda-d correlation functions for Xe+CsI collisions**

Speaker
Vasiliy Plotnikov

15:30

15:30

Coffee Break

Break | **Location:** VBLHEP, Canteen, 2nd Floor

16:00

16:00

IB Meeting: https://indico.jinr.ru/event/5994/

Session | **Location:** VBLHEP, LHEP-215/241 - Video Conference Room | **Convener:** Mikhail Merkin

18:00

Wednesday 13 May

09:30

Detector Meeting

Session | **Location:** VBLHEP JINR, Conference Hall, Bld. 3 | **Convener:** Semen Piyadin

09:30–09:40

Operation of three beam tracker stations and the profiler; radiation damage to the detectors

Speaker
Danil Chemezov

09:40–10:05

Operation of four coordinate planes of the Si tracker during the 2026 run; latest updates on the development of coordinate plane No. 5 for the FSD

Speaker
Nikolay Zamyatin

10:05–10:15

Design of coordinate plane No. 5 for the FSD

Speaker
Evgeny Zubarev

10:15–10:30

Performance of the VSP plane in RUN 9

Speaker
Dmitry Dementiev

10:30–10:45

Prospects for using a MAPS–LGAD tracking system in experiments with extracted beams from the Nuclotron

Speaker
Yury Murin

10:45

10:45

Coffee Break

Break | **Location:** VBLHEP JINR, Canteen, 2nd Floor

11:15

11:15

Detector Meeting

Session | **Location:** VBLHEP JINR, Conference Hall, Bld. 3 | **Convener:** Semen Piyadin

11:15–11:30

Status of the trigger system

Speaker
Sergey Sedykh

11:30–11:45

Status of forward detectors in the BM@N experiment

Speaker
Sergey Morozov

11:45–12:00

Status of the HGND development

Speaker
Dmitry Finogeev

12:00–12:15

Design verification and performance of full-scale active layers of the HGND

Speaker
Aleksandr Makhnev

12:15–12:30 **Test of preshower for neutron detector**

Speaker
Sergei Afanasiev

12:30–12:45 **BM@N Slow Control System during the run9**

Speaker
Ilya Osokin

13:00

13:00 **Lunch**
Break | **Location:** VBLHEP JINR, Canteen

14:00

14:00 **Analysis Meeting**
Session | **Location:** VBLHEP JINR, Conference Hall, Bld. 3 | **Convener:** Alexander Zinchenko

14:00–14:30
Directed and elliptic flow of protons and deuterons in Xe+CsI collisions at the beam energy of 3.8A GeV

Speaker
Mikhail Mamaev

14:30–14:45 **On the measurement of p,d in Xe+CsI interactions**

Speaker
Mikhail Kapishin

14:45–15:00 **Status of hypertriton reconstruction in run-8,**

Speaker
Sergei Merts

15:00–15:15 **Status of phi(1020) reconstruction in run-8**

Speaker
Ramin Barak

15:15–15:30 **K*(892) reconstruction in BM@N Run 8**

Speaker
Anatoli Aleksandrov

15:30

15:30 **Coffee Break**
Break | **Location:** VBLHEP JINR, Canteen, 2nd Floor

16:00

16:00 **Analysis Meeting**
Session | **Location:** VBLHEP JINR, Conference Hall, Bld. 3 | **Convener:** Sergei Merts

16:00–16:20 **Analysis of neutron spectra at large angles for Xe + CsI collisions at 3.8 A GeV**

Speaker
Vladimir Yurevich

16:20–16:40 **Status of the analysis of spectator neutron yields in Run 8**

Speaker
Aleksandr Zubankov

16:40–17:00 **Neutron measurements with the TOF spectrometer in BM@N Run 9**

Speaker
Nikita Lashmanov

17:00–17:20
Reconstruction of neutron spectra with the HGND at the BM@N: optimizing absorber placement and thickness

Speaker
Arseniy Shabanov

17:20–17:40 **TOF systems calibration in run 9 data**

Speaker
Mikhail Rumyantsev

17:40–18:00 **Status of Charged Fragments Analysis in the Scintillation Wall & Run9 QA**

Speaker
Vadim Volkov

18:00

19:00 **Collaboration Dinner**
Session | **Location:** Dubna Restaurant

22:00

Thursday 14 May

09:30

Software Meeting

Session | **Location:** VBLHEP JINR, Conference Hall, Bld. 3 | **Convener:** Konstantin Gertsenberger

09:30–09:50 **Processing of Run9 data on a DIRAC distributed infrastructure**

Speaker
Igor Pelevanyuk

09:50–10:10 **Software Orchestration for online data processing in BM@N Runs**

Speaker
Ilya Romanov

10:10–10:25 **Geometry update for tracking detectors of the BM@N experiment for Run 9**

Speaker
Dmitry Baranov

10:25–10:45 **Geometry alignment of the BM@N detectors: new approach**

Speaker
Igor Polev

10:45–11:00 **Visualization of the BM@N experiment in Unity: intermediate results**

Speaker
Konstantin Tukhvatulin

11:00

11:00

Coffee Break

Break | **Location:** VBLHEP JINR, Canteen, 2nd Floor

11:30

11:30

Software Meeting

Session | **Location:** VBLHEP JINR, Conference Hall, Bld. 3 | **Convener:** Konstantin Gertsenberger

11:30–11:50 **BM@N Offline Visualization Software and Other Services**

Speaker
Igor Dunaev

11:50–12:10 **Production of the Geometry and Online Configuration Systems**

Speaker
Evgeny Alexandrov

12:10–12:30 **Data quality monitoring and assurance system prototype: status of implementation**

Speaker
Igor Alexandrov

12:30–13:00 **MICC Status and Trends**

Speaker
Artem Petrosyan

13:00

13:00

Lunch

Break | **Location:** VBLHEP JINR, Canteen

14:00

14:00

Software Meeting

Session | **Location:** VBLHEP JINR, Conference Hall, Bld. 3 | **Convener:** Konstantin Gertsenberger

14:00–14:15

Design of the BM@N Production Request System for Mass Productions of Reconstructed Data

Speaker
Alexander Chebotov

14:15–14:45

BM@N Software in Run 9 and further development

Speaker
Konstantin Gertsenberger

14:45–15:00

Questions and discussions on BM@N Software and Computing

15:00