

**Analysis and Detector Meeting  
of the BM@N Experiment at  
NICA**

**Report of Contributions**

Contribution ID: 29

Type: **not specified**

## Status of the BM@N Setup

*Tuesday 4 March 2025 14:00 (15 minutes)*

**Presenter:** PIYADIN, Semen

**Session Classification:** Detector Meeting

Contribution ID: **30**

Type: **not specified**

## **Status of the trigger system**

*Tuesday 4 March 2025 14:15 (15 minutes)*

**Presenter:** СЕДЫХ, Сергей

**Session Classification:** Detector Meeting

Contribution ID: **31**

Type: **not specified**

## **Upgrade of the trigger detectors**

*Tuesday 4 March 2025 14:30 (15 minutes)*

**Presenter:** VELICHKOV, Valyo

**Session Classification:** Detector Meeting

Contribution ID: 34

Type: **not specified**

## **Status of the first Si-plane based on STS modules**

*Tuesday 4 March 2025 15:00 (20 minutes)*

**Presenter:** DEMENTEV, Dmitrii (JINR LHEP)

**Session Classification:** Detector Meeting

Contribution ID: 36

Type: **not specified**

## Статус передней части Si - вершинного трекера BM@N для сеанса —2025

*Tuesday 4 March 2025 16:00 (20 minutes)*

**Presenter:** ZAMYATIN, Nikolay (JINR)

**Session Classification:** Detector Meeting

Contribution ID: 37

Type: **not specified**

## **Подготовка передних детекторов к предстоящему сеансу**

*Tuesday 4 March 2025 16:20 (20 minutes)*

**Presenter:** MOROZOV, Sergey (Institute for Nuclear Research RAS)

**Session Classification:** Detector Meeting

Contribution ID: 38

Type: **not specified**

## **Подготовка к тестированию активного модуля HGND на предстоящем сеансе**

*Tuesday 4 March 2025 16:40 (20 minutes)*

**Presenter:** FINOGEEV, Dmitry (INR RAS)

**Session Classification:** Detector Meeting



Contribution ID: 41

Type: **not specified**

## **Status of Lambda and K0s production in Xe run**

*Tuesday 4 March 2025 09:45 (35 minutes)*

**Presenter:** ZINCHENKO, Alexander (Joint Institute for Nuclear Research)

**Session Classification:** Analysis Meeting

Contribution ID: 42

Type: **not specified**

## **Updates on proton directed flow in Xe+CsI collisions at 3.8 AGeV**

*Tuesday 4 March 2025 10:20 (25 minutes)*

**Presenter:** MAMAEV, Mikhail (NRNU MEPhI)

**Session Classification:** Analysis Meeting

Contribution ID: 43

Type: **not specified**

## **Deuteron directed flow in Xe+CsI collisions at 3.8 AGeV**

*Tuesday 4 March 2025 10:45 (25 minutes)*

**Presenter:** ZHAVORONKOVA, Irina (National Research Nuclear University MEPhI)

**Session Classification:** Analysis Meeting

Contribution ID: 44

Type: **not specified**

## **Kinematic reflections**

*Tuesday 4 March 2025 12:50 (10 minutes)*

**Presenter:** ZAVERTYAEV, Mikhail (LPI RAS)

**Session Classification:** Analysis Meeting

Contribution ID: 45

Type: **not specified**

## **Status of vector mesons reconstruction in Xe run**

*Tuesday 4 March 2025 12:30 (20 minutes)*

**Presenter:** BARAK, Ramin (VBLHEP JINR)

**Session Classification:** Analysis Meeting

Contribution ID: 46

Type: **not specified**

## Status of hypernuclei reconstruction in Xe run

*Tuesday 4 March 2025 12:05 (25 minutes)*

**Presenter:** MERTS, Sergei (JINR, LHEP)

**Session Classification:** Analysis Meeting

Contribution ID: 47

Type: **not specified**

## **Directed flow of $\Lambda$ hyperons in Xe+Cs(I) collisions at 3.8 AGeV**

*Tuesday 4 March 2025 11:40 (25 minutes)*

**Presenter:** TROSHIN, Valery (JINR)

**Session Classification:** Analysis Meeting

Contribution ID: 48

Type: **not specified**

## **Status of analysis of neutron data obtained with compact TOF neutron spectrometer**

*Wednesday 5 March 2025 09:30 (20 minutes)*

**Presenter:** LASHMANOV, Nikita (Joint Institute for Nuclear Research)

**Session Classification:** Analysis Meeting



Contribution ID: 49

Type: **not specified**

## **Production of Lambda hyperons in 4.0 and 4.5 AGeV carbon-nucleus interactions at the Nuclotron**

*Wednesday 5 March 2025 09:50 (25 minutes)*

**Presenter:** ALISHINA, Ksenia (Russia)

**Session Classification:** Analysis Meeting

Contribution ID: 51

Type: **not specified**

## **Вероятностное определение центральности**

*Wednesday 5 March 2025 12:40 (20 minutes)*

**Presenter:** RATNIKOV, Fedor

**Session Classification:** Analysis Meeting

Contribution ID: 52

Type: **not specified**

## **Centrality determination by forward detectors**

*Wednesday 5 March 2025 12:15 (25 minutes)*

**Presenter:** IDRISOV, Dim

**Session Classification:** Analysis Meeting

Contribution ID: 53

Type: **not specified**

## **Quality Assurance and Centrality determination in Xe+Cs(I) based on multiplicity**

*Wednesday 5 March 2025 11:50 (25 minutes)*

**Presenter:** DEMANOV, Alexander

**Session Classification:** Analysis Meeting

Contribution ID: 54

Type: **not specified**

## **Evaluating the triggers efficiency in Xe run**

*Wednesday 5 March 2025 10:40 (20 minutes)*

**Presenter:** ПЛОТНИКОВ, Василий (VBLHEP JINR)

**Session Classification:** Analysis Meeting

Contribution ID: 58

Type: **not specified**

## **Pileup rejection in Run 8 data (online)**

*Wednesday 5 March 2025 14:00 (20 minutes)*

**Presenter:** GOLOSOV, Oleg (NRC "Kurchatov Institute", MEPhI)

**Session Classification:** Analysis Meeting

Contribution ID: 59

Type: **not specified**

## **Realistic simulation of the FHCaI**

*Wednesday 5 March 2025 14:20 (20 minutes)*

**Presenter:** KARPUSHKIN, Nikolay (INR RAS)

**Session Classification:** Analysis Meeting

Contribution ID: **60**

Type: **not specified**

## **Analysis of background particles in HGND and methods of their suppression**

*Wednesday 5 March 2025 14:40 (20 minutes)*

**Presenter:** SHABANOV, Arseniy (INR RAS)

**Session Classification:** Analysis Meeting



Contribution ID: 61

Type: **not specified**

## **MI-based neutron reconstruction in the HGND (online)**

*Wednesday 5 March 2025 15:00 (20 minutes)*

**Presenter:** BOCHARNIKOV, Vladimir (HSE University)

**Session Classification:** Analysis Meeting

Contribution ID: 62

Type: **not specified**

## Using the clustering method to analyze multi-neutrons events

*Wednesday 5 March 2025 15:20 (15 minutes)*

**Presenter:** SAKULIN, Dmitriy (JINR)

**Session Classification:** Analysis Meeting

Contribution ID: **63**

Type: **not specified**

## **About centrality determination in HEP experiments**

*Wednesday 5 March 2025 11:20 (30 minutes)*

**Presenter:** TARANENKO, Arkadiy (VBLHEP JINR)

**Session Classification:** Analysis Meeting

Contribution ID: **64**

Type: **not specified**

## **Status of baryon femtoscopy in Ar run (online)**

*Wednesday 5 March 2025 10:15 (25 minutes)*

**Presenter:** АЛЕКСЕЕВ, Петр

**Session Classification:** Analysis Meeting

Contribution ID: 65

Type: **not specified**

## Upgrade of the TOF400

*Tuesday 4 March 2025 14:45 (15 minutes)*

**Presenter:** RUMYANTSEV, Mikhail (JINR)

**Session Classification:** Detector Meeting

Contribution ID: 66

Type: **not specified**

## Статус системы пучкового трекера VM@N для сеанса 2025

*Tuesday 4 March 2025 15:40 (20 minutes)*

**Presenter:** CHEMEZOV, Danil (VBLHEP JINR)

**Session Classification:** Detector Meeting