



# 13th Collaboration Meeting of the BM@N Experiment at NICA

## Tuesday 8 October 2024

### Analysis meeting - Conference Hall, Bld.3 (11:30 - 13:00)

-Conveners: Sergei Merts

time	[id] title	presenter
11:30	[110] Status of data analysis on Lambda and K0S production in run 8	ZINCHENKO, Alexander
12:00	[111] Analysis of $\Lambda$ -hyperon production in carbon-nucleus run	ALISHINA, Ksenia
12:30	[112] Lambda-production in p+p and C+C collisions at NICA energies	KOLESNIKOV, Vadim
12:40	[113] Status of analysis of flow of Lambda hyperons in Xe+Cs(l) run	TROSHIN, Valery

### Analysis meeting - Conference Hall, Bld.3 (14:00 - 15:40)

-Conveners: Alexander Zinchenko

time	[id] title	presenter
14:00	[114] Study of neutron emission from target spectators in $^{124}\text{Xe} + \text{CsI}$ collisions at 3.8 A GeV	LASHMANOV, Nikita
14:20	[115] Anisotropic flow of protons in Xe+Cs(l) collisions at 3.8 A GeV	MAMAEV, Mikhail
14:45	[116] Baryon femtoscopy (status)	АЛЕКСЕЕВ, Петр
15:05	[117] Bayesian approach for centrality determination in nucleus-nucleus collisions with forward hadron calorimeter at the BM@N experiment	IDRISOV, Dim
15:20	[129] Centrality Determination in Xe+Cs(l) based on multiplicity	DEMANOV, Alexander

# Wednesday 9 October 2024

## Analysis meeting - Conference Hall, Bld.3 (14:00 - 15:15)

-Conveners: Alexander Zinchenko

time	[id] title	presenter
14:00	[119] Signal Charge Reconstruction and Slewing Correction Using the Time-over-Threshold Method for the Highly-Granular Neutron Detector of the BM@N Experiment	KARPUSHKIN, Nikolay
14:15	[120] Performance of the Highly Granular Neutron Detector prototype in Xe+CsI@3.8 AGeV collisions at the BM@N experiment	ZUBANKOV, Aleksandr
14:30	[121] Performance of the Scintillation Wall in the BM@N experiment	VOLKOV, Vadim
14:45	[122] Phi meson signal observation in the BM@N experiment	BARAK, Ramin
14:55	[123] Hypernuclei signal observation in the BM@N experiment	MERTS, Sergei

## Analysis meeting - Conference Hall, Bld.3 (15:45 - 17:05)

-Conveners: Alexander Zinchenko

time	[id] title	presenter
15:45	[130] Anisotropic flow at high-baryon density	TARANENKO, Arkadiy
16:10	[126] Study of pileup in Xe+Cs(I) run (via Zoom)	GOLOSOV, Oleg
16:35	[127] Determination of purity and efficiency of the clustering algorithm of neutron reconstruction with the HGND at the BM@N experiment, 15 min	SHABANOV, Arseniy
16:50	[131] Machine Learning-based Neutron Reconstruction in the HGND at the BM@N experiment (via ZOOM)	BOCHARNIKOV, Vladimir