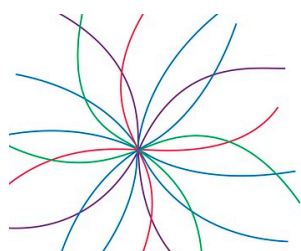


# XII Collaboration Meeting of the MPD Experiment at the NICA Facility



NICA Days 2023 and  
XII MPD Collaboration Meeting



Belgrade, Serbia  
02-06  
10.23

## Report of Contributions

Contribution ID: 1

Type: **not specified**

## Welcome by Russian side

*Wednesday, 4 October 2023 10:00 (10 minutes)*

**Presenter:** KEKELIDZE, Vladimir (LHEP, JINR)

**Session Classification:** MPD General Reports

Contribution ID: 3

Type: **not specified**

## MPD Collaboration Status

*Wednesday, 4 October 2023 10:50 (20 minutes)*

**Presenter:** RIABOV, Victor (PNPI)

**Session Classification:** MPD General Reports

Contribution ID: 4

Type: **not specified**

## **Status of the MPD Integration**

*Wednesday, 4 October 2023 11:10 (15 minutes)*

**Presenter:** GOLOVATYUK, Viacheslav (JINR)

**Session Classification:** MPD General Reports

Contribution ID: 5

Type: **not specified**

## TPC Assembling

*Wednesday, 4 October 2023 13:05 (25 minutes)*

**Presenter:** VERESCHAGIN, Stepan (JINR)

**Session Classification:** MPD General Reports

Contribution ID: 6

Type: **not specified**

## TOF Status

*Wednesday, 4 October 2023 12:45 (20 minutes)*

**Presenter:** BABKIN, Vadim (Joint Institute for Nuclear Research)

**Session Classification:** MPD General Reports

Contribution ID: **10**

Type: **not specified**

## **Status of the FHCAL**

*Wednesday, 4 October 2023 15:55 (20 minutes)*

**Presenter:** IVASHKIN, Alexander (INR RAS, Moscow)

**Session Classification:** MPD General Reports

Contribution ID: 17

Type: **not specified**

## **PWG1 Summary**

*Friday, 6 October 2023 09:25 (25 minutes)*

**Presenter:** FEOFILOV, Grigory (Saint-Petersburg State University)

**Session Classification:** MPD Physics session



Contribution ID: **19**

Type: **not specified**

## **PWG2 Summary**

*Friday, 6 October 2023 09:50 (25 minutes)*

**Presenter:** KOLESNIKOV, Vadim (VBLHEP, JINR)

**Session Classification:** MPD Physics session

Contribution ID: 21

Type: **not specified**

## **PWG4 Summary**

*Friday, 6 October 2023 11:30 (25 minutes)*

**Presenter:** PERESUNKO, Dmitri (NRC "Kurchatov institute")

**Session Classification:** MPD Physics session

Contribution ID: 22

Type: **not specified**

## **PWG5 Summary**

*Friday, 6 October 2023 13:50 (25 minutes)*

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

**Session Classification:** MPD Physics session

Contribution ID: 24

Type: **not specified**

## Open discussions

*Friday, 6 October 2023 14:40 (30 minutes)*

**Session Classification:** MPD Physics session

Contribution ID: 29

Type: **not specified**

## **Status and plans of accelerator complex NICA**

*Wednesday, 4 October 2023 10:20 (30 minutes)*

**Presenter:** SYRESIN, Evgeny (Joint Institute for Nuclear Researches)

**Session Classification:** MPD General Reports

Contribution ID: 47

Type: **not specified**

## Status of the FFD

*Wednesday, 4 October 2023 13:30 (20 minutes)*

**Presenter:** YUREVICH, Vladimir (JINR)

**Session Classification:** MPD General Reports

Contribution ID: 76

Type: **not specified**

## Status of the solenoid assembling

*Wednesday, 4 October 2023 12:00 (25 minutes)*

**Presenter:** MUKHIN, Konstantin (Joint Institut for Nuclear Research)

**Session Classification:** MPD General Reports

Contribution ID: 77

Type: **not specified**

## **A Long and Winding Road to the MPD ITS**

*Wednesday, 4 October 2023 16:55 (25 minutes)*

**Presenter:** MURIN, Yuri

**Session Classification:** MPD General Reports



Contribution ID: 79

Type: **not specified**

## **ECAL mass production**

*Wednesday, 4 October 2023 15:00 (20 minutes)*

**Presenter:** TYAPKIN, Igor (JINR)

**Session Classification:** MPD General Reports

Contribution ID: **80**

Type: **not specified**

## **The progress of ECal production in China**

*Wednesday, 4 October 2023 15:20 (20 minutes)*

**Presenter:** LI, Linmao

**Session Classification:** MPD General Reports

Contribution ID: **90**

Type: **not specified**

## **PWG3 Summary**

*Friday, 6 October 2023 10:40 (25 minutes)*

**Presenter:** PARFENOV, Peter (MEPhI, Moscow)

**Session Classification:** MPD Physics session

Contribution ID: 94

Type: **not specified**

## **Approval of the minutes from the last IB meetings**

*Thursday, 5 October 2023 14:30 (15 minutes)*

**Session Classification:** Institutional Board

Contribution ID: 97

Type: **not specified**

## Spokesperson's report

*Thursday, 5 October 2023 14:45 (15 minutes)*

**Presenter:** RIABOV, Victor (PNPI)

**Session Classification:** Institutional Board

Contribution ID: 98

Type: **not specified**

## Project Manager's Report

*Thursday, 5 October 2023 15:00 (15 minutes)*

**Presenter:** GOLOVATYUK, Viacheslav (JINR)

**Session Classification:** Institutional Board

Contribution ID: 100

Type: **not specified**

## **Request of admission to MPD Collaboration by a group from the High School of Economics University, Russia, leader Prof.Fedor Ratnikov**

*Thursday, 5 October 2023 15:35 (20 minutes)*

**Presenter:** AYALA, Alejandro (Instituto de Ciencias Nucleares, Universidad Nacional Autónoma de México)

**Session Classification:** Institutional Board

Contribution ID: **101**

Type: **not specified**

## **Next Collaboration meeting**

*Thursday, 5 October 2023 16:15 (20 minutes)*

**Presenter:** RIABOV, Viktor (NRC "Kurchatov Institute" PNPI)

**Session Classification:** Institutional Board



Contribution ID: **102**

Type: **not specified**

## **Magnetic field measurement**

*Wednesday, 4 October 2023 12:25 (20 minutes)*

**Presenter:** ANTOKHIN, Evgeny (Budker Institute of Nuclear physics)

**Session Classification:** MPD General Reports

Contribution ID: **103**

Type: **not specified**

## **DAQ of the MPD**

*Wednesday, 4 October 2023 16:15 (20 minutes)*

**Presenter:** SHCHIPUNOV, Andrey (JINR)

**Session Classification:** MPD General Reports

Contribution ID: **104**

Type: **not specified**

## **Realization of the Electronics Platform project**

*Wednesday, 4 October 2023 17:20 (20 minutes)*

**Presenter:** FEDIUNIN, Alexander (Jinr)

**Session Classification:** MPD General Reports

Contribution ID: **105**

Type: **not specified**

# **Detector for beams collision monitoring and luminosity measurements in the interaction point**

*Wednesday, 4 October 2023 17:40 (20 minutes)*

**Presenter:** LITVINENKO, Anatoly (Joint Institute for Nuclear Research)

**Session Classification:** MPD General Reports

Contribution ID: **109**

Type: **not specified**

## **STAR (BES-II)**

*Friday, 6 October 2023 09:00 (25 minutes)*

**Presenter:** XIE, Guannan

**Session Classification:** MPD Physics session

Contribution ID: 116

Type: **not specified**

## **Production of nuclei and hypernuclei in relativistic ion collisions**

*Friday, 6 October 2023 10:15 (25 minutes)*

**Presenter:** BOTVINA, Alexander (FIAS and INR-RAS)

**Session Classification:** MPD Physics session

Contribution ID: 123

Type: **not specified**

## Welcome by Serbian side

**Presenter:** PAJOVIĆ, Snežana („VINČA” INSTITUTE OF NUCLEAR SCIENCES NATIONAL INSTITUTE OF THE REPUBLIC OF SERBIA UNIVERSITY OF BELGRADE)

**Session Classification:** MPD General Reports

Contribution ID: **124**

Type: **not specified**

## **Calibration the ECal**

*Wednesday, 4 October 2023 15:40 (15 minutes)*

**Presenter:** KULIKOV, Viacheslav (SRC "Kurchatov institute" - ITEP)

**Session Classification:** MPD General Reports



Contribution ID: 125

Type: **not specified**

## News from the NA61/SHINE

*Friday, 6 October 2023 12:20 (30 minutes)*

**Presenter:** CIRKOVIC, Marjan

**Session Classification:** MPD Physics session

Contribution ID: 126

Type: **not specified**

## MPD dielectron analysis

*Friday, 6 October 2023 11:55 (25 minutes)*

**Presenter:** RODE, Sudhir Pandurang (JINR)

**Session Classification:** MPD Physics session

Contribution ID: 127

Type: **not specified**

## **Review of QM-2003 results**

*Friday, 6 October 2023 14:15 (25 minutes)*

**Presenter:** APARIN, Alexey (Joint Institute for Nuclear Research)

**Session Classification:** MPD Physics session

Contribution ID: 128

Type: **not specified**

## **MPD software towards real experiment; TDD & Jupiter in MPDRoot**

*Thursday, 5 October 2023 10:00 (35 minutes)*

**Presenter:** ROGACHEVSKIY, Oleg (JINR)

**Session Classification:** MPD Detector, Software and Computing Status

Contribution ID: **129**

Type: **not specified**

## **From MPD event 3D-Visualization to SCADA control system**

*Thursday, 5 October 2023 10:35 (25 minutes)*

**Presenter:** KRYLOV, Viktor (Joint Institute for Nuclear Research (JINR))

**Session Classification:** MPD Detector, Software and Computing Status

Contribution ID: 130

Type: **not specified**

## **New approach to cluster finder for TPC with GPU**

*Thursday, 5 October 2023 11:00 (25 minutes)*

**Presenter:** KRYLOV, Alexander

**Session Classification:** MPD Detector, Software and Computing Status

Contribution ID: 131

Type: **not specified**

## **Implementation of task for calibration of TPC gas drift velocity**

*Thursday, 5 October 2023 11:50 (25 minutes)*

**Presenter:** BYCHKOV, Alexander (LHEP)

**Session Classification:** MPD Detector, Software and Computing Status

Contribution ID: 132

Type: **not specified**

## **DIRAC based MPD mass production and its automatization**

*Thursday, 5 October 2023 12:15 (25 minutes)*

**Presenter:** PELEVANYUK, Igor (Joint Institute for Nuclear Research)

**Session Classification:** MPD Detector, Software and Computing Status



Contribution ID: 133

Type: **not specified**

## **TPC alignment and momentum resolution, in-person/remote**

**Presenter:** KUZMIN, Valentin (NIINP Moscow State University)

**Session Classification:** MPD Detector, Software and Computing Status

Contribution ID: 134

Type: **not specified**

## Discussions

*Thursday, 5 October 2023 12:40 (30 minutes)*

**Session Classification:** MPD Detector, Software and Computing Status

Contribution ID: 136

Type: **not specified**

## Welcome by Serbian side

*Wednesday, 4 October 2023 10:10 (10 minutes)*

**Presenter:** HADŽIEVSKI, Ljupčo (representative for the cooperation between the INS Vinca and JINR Dubna)

**Session Classification:** MPD General Reports

Contribution ID: 137

Type: **not specified**

**Request of admission to MPD Collaboration by a group from Institute of Physics and Mathematics, University of Michoacán, Mexico (MexNICA consortium), leader Prof. Alfredo Raya**

*Thursday, 5 October 2023 15:55 (20 minutes)*

**Presenter:** AYALA, Alejandro (Instituto de Ciencias Nucleares, Universidad Nacional Autónoma de México)

**Session Classification:** Institutional Board

Contribution ID: 138

Type: **not specified**

**Request of admission to MPD Collaboration by a group from the State Scientific Institution “Joint Institute for Energy and Nuclear Research –Sosny” of the National Academy of Sciences of Belarus, leader Dr. Leonid Babichev**

*Thursday, 5 October 2023 15:15 (20 minutes)*

**Presenter:** AYALA, Alejandro (Instituto de Ciencias Nucleares, Universidad Nacional Autónoma de México)

**Session Classification:** Institutional Board