Program

Apr 21 – 23, 2026



XVII MPD Collaboration Meeting

VBLHEP, JINR, Conference Hall

Tue, April 21

9:00 AM – 9:30 AM

Bus (hotel Dubna <---> VBLHEP)

Session | **Location:** Hotel "Dubna"

9:30 AM – 10:00 AM

Registration

Session | **Location:** VBLHEP, JINR, Conference Hall

10:00 AM – 11:25 AM

MPD General Reports: General Session 1 / Welcome

Session | **Location:** VBLHEP, JINR, Conference Hall | **Convener:** Arkadiy Taranenko (VBLHEP JINR)

Description

General Status reports for the MPD Collaboration

10:00 – 10:15 AM **Welcome and Opening**

10:15 – 10:45 AM **Construction and commissioning of the NICA Complex**

Speaker
Evgeny Syresin (Joint Institute for Nuclear Researches)

10:45 – 11:05 AM **MPD Collaboration status**

Speaker
Victor Riabov (PNPI)

11:05 – 11:25 AM **Status of the MPD Integration**

Speaker
Viacheslav Golovatyuk

11:25 AM – 11:35 AM

Photo

Break | **Location:** VBLHEP, JINR, Conference Hall

11:35 AM – 12:00 PM

Coffee Break

Break | **Location:** VBLHEP, JINR, Conference Hall

12:00 PM – 1:00 PM

MPD General Reports: General Session 2

Session | **Location:** VBLHEP, JINR, Conference Hall | **Convener:** Victor Riabov (PNPI)

Description

General Status reports for the MPD Collaboration

12:00 – 12:30 PM **Status of the MPD Magnet**

Speaker
Konstantin Mukhin (Joint Institut for Nuclear Research)

12:30 – 1:00 PM **Status of the MPD software**

Speaker
Oleg Rogachevsky (JINR)

1:00 PM – 2:00 PM

Lunch

Break | **Location:** VBLHEP, JINR, Conference Hall

2:00 PM – 2:30 PM

MPD General Reports: General Session 3

Session | **Location:** VBLHEP, JINR, Conference Hall | **Convener:** Victor Riabov (PNPI)

Description

General Status reports for the MPD Collaboration

2:00 – 2:30 PM **Magnetic field measurement mapper**

Speaker

Evgeny Antokhin (Budker Institute of Nuclear physics)

2:30 PM – 5:00 PM

Institutional Board

Session | **Location:** VBLHEP, LHEP-215/241 - комната видеоконференций | **Convener:** Alejandro Ayala (Instituto de Ciencias Nucleares, Universidad Nacional Autónoma de México)

Description

https://indico.jinr.ru/e/17mpd_ib

2:30 – 5:00 PM **IB meeting**

Speaker

Alejandro Ayala (Instituto de Ciencias Nucleares, Universidad Nacional Autónoma de México)

5:00 PM – 5:20 PM

Bus (hotel Dubna <---> VBLHEP)

Session | **Location:** VBLHEP, JINR, Conference Hall

Wed, April 22

9:00 AM – 9:20 AM

Bus (hotel Dubna <---> VBLHEP)

Session | **Location:** VBLHEP, JINR, Conference Hall

9:20 AM – 11:00 AM

Excursion to MPD Hall for local participants

Session | **Location:** VBLHEP, NICA construction site | **Conveners:** Konstantin Mukhin (Joint Institut for Nuclear Research), Viacheslav Golovatyuk (JINR)

11:00 AM – 1:05 PM

MPD Detector, Software and Computing Status: Session 1

Session | **Location:** VBLHEP, JINR, Conference Hall | **Convener:** Vyacheslav Golovatyuk (JINR)

Description

Status of MPD Construction

11:00 – 11:25 AM **TPC Assembling**

Speaker
Sergey Movchan (JINR)

11:25 – 11:50 AM **TOF status**

Speaker
Vadim Babkin (Joint Institute for Nuclear Research)

11:50 AM – 12:15 PM **Status of the ECal**

Speaker
Victor Baryshnikov

12:15 – 12:40 PM **TPC and ECAL cooling system: status**

Speaker
Alexander Fedotov (INP BSU, Minsk)

12:40 – 1:05 PM **Status of the FHCAL**

Speaker
Dmitry Finogeev (INR RAS)

1:05 PM – 2:00 PM

Lunch

Break | **Location:** VBLHEP, JINR, Conference Hall

2:00 PM

MPD Detector, Software and Computing Status: Session 2

Session | **Location:** VBLHEP, JINR, Conference Hall

Description

Status of MPD Construction

2:00 – 2:25 PM **Status of the FFD**

Speaker
Sergey Sedykh (JINR)

2:25 – 2:50 PM **Mechanics for the beam pipe, FFD and ITS**

Speaker
Yury Murin (JINR)

2:50 – 3:15 PM **Centralized Database Service Architectures for Scientific IT Environments**

Speaker
Olga Vlasova (MLIT)

3:15 PM

3:15 PM

Coffee break

Break | **Location:** VBLHEP, JINR, Conference Hall

3:45 PM

3:45 PM

MPD Detector, Software and Computing Status: Session 3

Session | **Location:** VBLHEP, JINR, Conference Hall | **Convener:** Oleg Rogachevsky (JINR)

Description

Status of MPD Construction

3:45 – 4:15 PM **Implementation of ACTS tracking with particle identification for MPD TPC**

Speaker
Slavomir Hnatic (JINR)

4:15 – 4:40 PM **Capabilities of measuring electron drift velocity for MPD TPC**

Speaker
Alexander Bychkov (LHEP)

4:40 – 5:05 PM **Distributed cloud-native architecture for the MPD/TPC online Data Quality Assurance**

Speaker
Viktor Krylov (Joint Institute for Nuclear Research (JINR))

5:05 – 5:30 PM **Online TPC monitoring realization for the MPD experiment**

Speaker
Alexander Krylov (JINR)

5:30 – 5:55 PM **Kubernetes cluster architecture for the MPD online data processing and monitoring**

Speaker
Andrey Budnikov (Voronezh State University)

5:55 – 6:20 PM **Proposal for the miniBeBe detector**

Speaker
Alfredo Raya (FIE-UMSNH)

6:20 PM

6:20 PM

Bus (hotel Dubna <---> VBLHEP)

Session | **Location:** VBLHEP, JINR, Conference Hall

6:40 PM

7:00 PM

Collaboration Dinner

Break | **Location:** Restaurant "Dubna", Vekslera Str., 8

10:00 PM

Thu, April 23

9:00 AM

Bus (hotel Dubna <---> VBLHEP)

Session | **Location:** VBLHEP, JINR, Conference Hall

9:30 AM

9:20 AM

TPC session: 1

Session | **Location:** VBLHEP, LHEP-215/347 - комната семинаров | **Convener:** Sergey Movchan (JINR)

9:20 – 9:40 AM

Статус тестирования FE карт для TPC. Статус программного обеспечения для подсистем TPC “ANOD Spectra” и “GATE”

Speaker
Yaroslav Galkin (Institute for Nuclear Problems BSU)

9:40 – 10:00 AM

Разработка подсистемы GATE для TPC

Speaker
Serguei Bouglak (INP BSU)

10:00 – 10:20 AM

Результаты моделирования в Garfield++ работы запирающего электрода ROC камеры детектора TPC эксперимента MPD (online)

Speaker
Vadim Bayev (Institute for Nuclear Problems, Belarusian State University)

10:20 – 10:40 AM

Engineering the TPC & ECal cooling and thermal stabilization system: Practices and Management

Speaker
Kiril Levkov (TE)

10:40 – 11:00 AM

Система контроля магнитного поля эксперимента MPD (online)

Speaker
Alexandr Volkov

11:00 AM

9:30 AM

MPD Physics session: Physics 1

Session | **Location:** VBLHEP, JINR, Conference Hall | **Convener:** Victor Riabov (PNPI)

9:30 – 10:00 AM

Observation of a Strange Muonic Atom and Its Antimatter in Heavy-Ion Collisions at STAR (online)

Speaker
Xiaofeng Wang (SDU)

10:00 – 10:30 AM

Recent Flow results from STAR BES-II (online)

Speaker
Like Liu

10:30 – 11:00 AM

Selected Recent Results from STAR

Speaker
Chi Yang (Shandong University)

11:00 AM

11:00 AM – 11:30 AM

Coffee break

Break | **Location:** VBLHEP, JINR, Conference Hall

11:30 AM – 12:50 PM

MPD Physics session: Physics 2

Session | **Location:** VBLHEP, JINR, Conference Hall | **Convener:** Victor Riabov (PNPI)

11:30 – 11:50 AM **PWG-1 summary**

Speaker
Peter Parfenov (JINR, NRNU MEPhI)

11:50 AM – 12:10 PM **PWG2 Summary**

Speaker
Viktar Kireyeu (Joint Institute for Nuclear Research)

12:10 – 12:30 PM **PWG3 Summary**

Speaker
Arkadiy Taranenko (National Research Nuclear University MEPhI (Moscow Engineering Physics Institute))

12:30 – 12:50 PM **PWG4 Summary**

Speaker
Dmitri Peresunko (NRC "Kurchatov institute")

11:30 AM – 12:50 PM

TPC session: 2

Session | **Location:** VBLHEP, LHEP-215/347 - комната семинаров | **Convener:** Sergey Movchan (JINR)

11:30 – 11:50 AM

Trim Coils Thermometry and Cooling Performance for the MPD Magnet System (online)

Speaker
Maria Medvedeva (JINR)

11:50 AM – 12:10 PM

Hardware-software system for calibration of ADC modules of the TPC thermometry system

Speaker
Viktor Tolkun (НИИ ЯП БГУ - LLC "ArcoLab", Minsk)

12:10 – 12:30 PM

Simulation and Experimental Measurement of Beam Propagation in the Laser Calibration System of the MPD TPC (online)

Speaker
Julia Shafarevich (BSU)

12:30 – 12:50 PM **Preparation of control and monitoring software for development kit**

Speaker
Youmna Ghoneim (JINR)

12:50 PM – 2:00 PM

Lunch

Break | **Location:** VBLHEP, JINR, Conference Hall

2:00 PM

MPD Physics session: Physics 3

Session | **Location:** VBLHEP, JINR, Conference Hall | **Convener:** Arkadiy Taranenko (VBLHEP JINR)

2:00 – 2:30 PM **Physics of heavy-ion collisions at sqrt(sNN) = at 2-4 GeV (online)**

Speaker
Elena Bratkovskaya

2:30 – 3:00 PM
Cluster production in heavy-ion collisions at NICA/FAIR energies as a probe of EoS (online)

Speaker
Joerg Aichelin (Subatech)

3:00 – 3:30 PM **Forward upgrade for the MPD**

Speaker
Evgeny Kryshen

3:30 PM

3:30 PM

Coffee break

Break | **Location:** VBLHEP, JINR, Conference Hall

4:00 PM

4:00 PM

MPD Physics session: Physics 4

Session | **Location:** VBLHEP, JINR, Conference Hall | **Convener:** Peter Parfenov (JINR, NRNU MEPhI)

4:00 – 4:30 PM **Directed flow of protons as a signal of onset of transition to the QGP**

Speaker
Yury Ivanov (JINR)

4:30 – 5:00 PM **Resonance production at NICA energies**

Speaker
Mikhail Malaev (NRC "Kurchatov Institute" - PNPI, SPbPU)

5:00 – 5:30 PM **Open discussions**

5:30 PM

5:30 PM

Bus (hotel Dubna <---> VBLHEP)

Session | **Location:** VBLHEP, JINR, Conference Hall

5:50 PM