

XV MPD Collaboration Meeting

Tuesday, April 15, 2025 - Thursday, April 17, 2025

**VBLHEP, JINR
Program**

Tuesday, April 15, 2025

Bus (hotel Dubna <---> VBLHEP) - Hotel "Dubna" (9:15 AM - 9:30 AM)

Registration - Conference Hall (9:30 AM - 10:00 AM)

MPD General Reports: General Session 1 / Welcome - Conference Hall (10:00 AM - 11:25 AM)

-Conveners: Arkadiy Taranenko

| time | title | presenter |
|----------|--|------------------------|
| 10:00 AM | Welcome words from the JINR directorate | KEKELIDZE, Vladimir |
| 10:15 AM | Construction and commissioning of the NICA Complex | SYRESIN, Evgeny |
| 10:45 AM | MPD Collaboration status | RIABOV, Victor |
| 11:05 AM | Status of the MPD Integration | GOLOVATYUK, Viacheslav |

Photo - Conference Hall (11:25 AM - 11:35 AM)

Coffee Break - Conference Hall (11:35 AM - 12:00 PM)

MPD General Reports: General Session 2 - Conference Hall (12:00 PM - 12:50 PM)

-Conveners: Victor Riabov

| time | title | presenter |
|----------|--------------------------|--------------------|
| 12:00 PM | MPD Software status | ROGACHEVSKY, Oleg |
| 12:30 PM | Status of the MPD Magnet | MUKHIN, Konstantin |

Lunch - Conference Hall (12:50 PM - 2:00 PM)

MPD General Reports: General Session 3 - Conference Hall (2:00 PM - 3:10 PM)

| time | title | presenter |
|---------|--|--------------------|
| 2:00 PM | Magnetic field mapper | ANTOKHIN, Evgeny |
| 2:20 PM | Progress of ACTS implementation in MPDRoot | HNATIC, Slavomir |
| 2:40 PM | System and rapidity scan at MPD | TARANENKO, Arkadiy |

Technical & Coffee Break - Conference Hall (3:10 PM - 3:30 PM)

Institutional Board - Conference Hall (3:30 PM - 6:55 PM)

-Conveners: Alejandro Ayala

| time | title | presenter |
|---------|------------|------------------|
| 3:30 PM | IB meeting | AYALA, Alejandro |

Bus (hotel Dubna <---> VBLHEP) - Conference Hall (6:55 PM - 7:15 PM)

Wednesday, April 16, 2025

Bus (hotel Dubna <---> VBLHEP) - Conference Hall (9:00 AM - 9:30 AM)

Excursion to MPD Hall for local participants - NICA construction site (9:30 AM - 11:00 AM)

-Conveners: Viacheslav Golovatyuk; Konstantin Mukhin

MPD Detector, Software and Computing Status: Session 1 - Conference Hall (11:00 AM - 1:00 PM)

-Conveners: Oleg Rogachevsky

| time | title | presenter |
|----------|--|--------------------|
| 11:00 AM | TPC Assembling | MOVCHAN, Sergey |
| 11:20 AM | TOF Status | BABKIN, Vadim |
| 11:40 AM | Status of the ECal | TYAPKIN, Igor |
| 12:00 PM | The progress of ECal production in China | WANG, Yi |
| 12:20 PM | Realistic clustering for TPC | KRYLOV, Viktor |
| 12:40 PM | Data flow simulation for MPD | BYCHKOV, Alexander |

Lunch - Conference Hall (1:00 PM - 2:00 PM)

MPD Detector, Software and Computing Status: Session 2 - Conference Hall (2:00 PM - 3:40 PM)

-Conveners: Victor Riabov

| time | title | presenter |
|---------|--|---------------------|
| 2:00 PM | DST event viewer for MPD events | KRYLOV, Alexander |
| 2:20 PM | Status of the FHCAL | STRIZHAK, Alexander |
| 2:40 PM | Status of the FFD | SEDYKH, Sergey |
| 3:00 PM | Mechanics for the beam pipe, FFD and ITS | MURIN, Yury |
| 3:20 PM | Status of the MPD installation container mechanics | ANDREEV, Denis |

Coffee break - Conference Hall (3:40 PM - 4:00 PM)

MPD Detector, Software and Computing Status: Session 3 - Conference Hall (4:00 PM - 6:10 PM)

-Conveners: Konstantin Mukhin

| time | title | presenter |
|---------|---|--------------------|
| 4:00 PM | MPD Trigger electronics | SHIPUNOV, Andrey |
| 4:20 PM | Luminosity measurements for heavy ion beams | BABAEV, Anton |
| 4:40 PM | TPC and ECAL cooling system: status | FEDOTOV, Alexander |
| 5:00 PM | MPD Central DCS | SERGEEV, Sergey |
| 5:20 PM | System of stationary sensors | BEDAREVA, Tatiana |
| 5:40 PM | Open discussions | |

Bus (hotel Dubna <---> VBLHEP) - Conference Hall (6:10 PM - 6:30 PM)

Collaboration Dinner (7:00 PM - 10:00 PM)

Thursday, April 17, 2025

Bus (hotel Dubna <---> VBLHEP) - Conference Hall (9:00 AM - 9:30 AM)

MPD Physics session: Physics 1 - Conference Hall (9:30 AM - 11:00 AM)

-Conveners: Victor Riabov

| time | title | presenter |
|----------|--|-----------------|
| 9:30 AM | Recent results on strangeness and identified hadron production in STAR-BES | ZHU, Xianglei |
| 10:00 AM | Recent measurements of flow from the RHIC Beam Energy Scan Program | SINGHA, Subhash |
| 10:30 AM | Recent Results of Baryon Correlations from the RHIC Beam Energy Scan Program | MI, Ke |

Coffee break - Conference Hall (11:00 AM - 11:30 AM)

MPD Physics session: Physics 2 - Conference Hall (11:30 AM - 1:00 PM)

-Conveners: Arkadiy Taranenko

| time | title | presenter |
|----------|--|---------------------|
| 11:30 AM | Cluster production in heavy-ion collisions at NICA-FAIR energies | BLEICHER, Marcus |
| 12:00 PM | Fluctuation Measurements from the RHIC Beam Energy Scan Program | SI, Fan |
| 12:30 PM | Fragment and nuclei production in heavy-ion collisions | BUYUKCIZMECI, Nihal |

Lunch - Conference Hall (1:00 PM - 2:00 PM)

MPD Physics session: Physics 3 - Conference Hall (2:00 PM - 3:10 PM)

-Conveners: Dmitri Peresunko

| time | title | presenter |
|---------|-----------------------------|-----------------|
| 2:00 PM | Forward upgrade for the MPD | KRYSHEN, Evgeny |
| 2:30 PM | PWG-1 summary | PARFENOV, Peter |
| 2:50 PM | PWG2 Summary | KIREYEU, Viktor |

Coffee break - Conference Hall (3:10 PM - 3:40 PM)

MPD Physics session: Physics 4 - Conference Hall (3:40 PM - 5:15 PM)

-Conveners: Alexander Zinchenko

| time | title | presenter |
|---------|---|------------------------|
| 3:40 PM | PWG3 Summary | TARANENKO, Arkadiy |
| 4:00 PM | PWG4 Summary | PERESUNKO, Dmitri |
| 4:20 PM | Dielectron measurements in BiBi @ 9.2 GeV | RODE, Sudhir Pandurang |
| 4:45 PM | Open discussions | |

Bus (hotel Dubna <---> VBLHEP) - Conference Hall (5:15 PM - 5:35 PM)