

# **NICA Machine Advisory Committee**

## **Report of Contributions**

Contribution ID: 0

Type: **not specified**

## **Introduction: NICA status and tasks, new results, session content**

*Thursday, 7 June 2018 09:00 (30 minutes)*

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

**Session Classification:** Morning session I

Contribution ID: 1

Type: **not specified**

## **Nuclotron: results of the 55<sup>th</sup> run, tasks and plans of the Nuclotron upgrade for BM@N and MPD experiments**

*Thursday, 7 June 2018 09:30 (30 minutes)*

**Presenter:** BUTENKO, Andrey (VBLHEP JINR)

**Session Classification:** Morning session I

Contribution ID: 2

Type: **not specified**

## **SC magnets: status of fabrication and test results**

*Thursday, 7 June 2018 10:20 (30 minutes)*

**Presenter:** KHODZHIBAGIYAN, Hamlet (VBLHEP JINR)

**Session Classification:** Morning session I

Contribution ID: 3

Type: **not specified**

## **NICA Booster: status of mounting preparation**

*Thursday, 7 June 2018 10:50 (30 minutes)*

**Presenter:** GALIMOV, Artem (VBLHEP JINR)

**Session Classification:** Morning session I

Contribution ID: 4

Type: **not specified**

## **Beam transfer channels, injection and extraction systems —status of construction**

*Thursday, 7 June 2018 11:20 (35 minutes)*

**Presenter:** TUZIKOV, Aleksey (VBLHEP JINR)

**Session Classification:** Morning session I

Contribution ID: 5

Type: **not specified**

## **NICA Collider: optics overview, nonlinearities and dynamic aperture, choice of working points**

*Thursday, 7 June 2018 12:35 (35 minutes)*

**Presenters:** KOZLOV, Oleg (VBLHEP JINR); KOSTROMIN, Sergey (VBLHEP JINR)

**Session Classification:** Afternoon session I — NICA Collider

Contribution ID: 6

Type: **not specified**

## **Beam storage and formation, acceleration/deceleration**

*Thursday, 7 June 2018 13:10 (35 minutes)*

**Presenter:** SYRESIN, Evgeny (VBLHEP JINR)

**Session Classification:** Afternoon session I — NICA Collider



Contribution ID: 7

Type: **not specified**

## **Space charge effects in the Collider, impedances**

*Thursday, 7 June 2018 13:45 (25 minutes)*

**Presenters:** KOLOMIETS, Angrei (ITEP); ZENKEVICH, Pavel (ITEP)

**Session Classification:** Afternoon session I — NICA Collider

Contribution ID: 8

Type: **not specified**

## **Electron clouds in NICA: new results**

*Thursday, 7 June 2018 14:10 (20 minutes)*

**Presenter:** PHILIPPOV, Alexandr (VBLHEP JINR)

**Session Classification:** Afternoon session I — NICA Collider

Contribution ID: 9

Type: **not specified**

## **Electron coolers for NICA Booster and Collider**

*Thursday, 7 June 2018 14:50 (35 minutes)*

**Presenter:** REVA, Vladimir (BINP)

**Session Classification:** Afternoon session I — NICA Collider

Contribution ID: **10**

Type: **not specified**

## **Summary of the day, discussion**

*Thursday, 7 June 2018 15:50 (30 minutes)*

**Session Classification:** Afternoon session I — NICA Collider

Contribution ID: 11

Type: **not specified**

## **Stochastic cooling system: start-up and project modes**

*Thursday, 7 June 2018 15:25 (25 minutes)*

**Presenter:** SIDORIN, Anatoly (VBLHEP JINR)

**Session Classification:** Afternoon session I — NICA Collider

Contribution ID: 12

Type: **not specified**

## Stochastic cooling for NICA

*Friday, 8 June 2018 08:10 (35 minutes)*

**Presenter:** LEBEDEV, Valeri (FNAL)

**Session Classification:** Morning session II — NICA instrumentation and infrastructure

Contribution ID: 13

Type: **not specified**

## **Beam diagnostics at the NICA —progress and tasks**

*Friday, 8 June 2018 09:05 (25 minutes)*

**Presenter:** GORBACHEV, Evgeny (VBLHEP JINR)

**Session Classification:** Morning session II — NICA instrumentation and infrastructure

Contribution ID: 14

Type: **not specified**

## **NICA control system —structure and parameters**

*Friday, 8 June 2018 09:30 (25 minutes)*

**Presenter:** GORBACHEV, Evgeny (VBLHEP JINR)

**Session Classification:** Morning session II — NICA instrumentation and infrastructure



Contribution ID: 15

Type: **not specified**

## **NICA complex infrastructure —status and progress**

*Friday, 8 June 2018 09:55 (25 minutes)*

**Presenter:** MITROFANOVA, Yulya (VBLHEP JINR)

**Session Classification:** Morning session II — NICA instrumentation and infrastructure

Contribution ID: 16

Type: **not specified**

## **Status of the MPD and the BM@N experiments**

*Friday, 8 June 2018 10:40 (25 minutes)*

**Presenter:** GOLOVATYUK, Vyacheslav (VBLHEP JINR)

**Session Classification:** Morning session III — NICA Detectors

Contribution ID: 17

Type: **not specified**

## **Machine —Detector Interface**

*Friday, 8 June 2018 11:05 (30 minutes)*

**Presenters:** SMIRNOV, Alexandr (VBLHEP JINR); GOLAVATYUK, Vyacheslav (VBLHEP JINR)

**Session Classification:** Morning session III — NICA Detectors

Contribution ID: 18

Type: **not specified**

**Free discussion of the status and problems of the  
NICA accelerator complex project (requests to MAC,  
etc.)**

Contribution ID: 19

Type: **not specified**

## **General discussion of the status and problems of the NICA accelerator complex project (requests to MAC, etc.) —continuation**

*Friday, 8 June 2018 14:30 (40 minutes)*

**Session Classification:** Afternoon session —Closed session and organizing issues

Contribution ID: 20

Type: **not specified**

## **Closed session: discussion and formulation of the MAC resolution**

*Friday, 8 June 2018 15:30 (20 minutes)*

**Session Classification:** Afternoon session —Closed session and organizing issues

Contribution ID: 21

Type: **not specified**

## **Presentation of the MAC resolution. Proposal of the next session**

*Friday, 8 June 2018 15:50 (10 minutes)*

**Session Classification:** Afternoon session —Closed session and organizing issues

Contribution ID: 22

Type: **not specified**

## **Closing of the MAC session**

*Friday, 8 June 2018 16:00 (10 minutes)*

**Session Classification:** Afternoon session —Closed session and organizing issues



Contribution ID: 23

Type: **not specified**

## **Bunched beam stochastic cooling simulation using Fokker-Planck equation**

*Friday, 8 June 2018 08:45 (20 minutes)*

**Presenter:** KATAYAMA, Takeshi (Nihon University)

**Session Classification:** Morning session II — NICA instrumentation and infrastructure