

58th meeting of the PAC for Nuclear Physics

Report of Contributions

Contribution ID: 1

Type: **not specified**

1. Opening of the meeting

Monday 29 January 2024 09:30 (10 minutes)

Presenter: NESVIZHEVSKY, V.

Contribution ID: 2

Type: **not specified**

2. Implementation of the recommendations of the 57th PAC meeting

Monday 29 January 2024 09:40 (20 minutes)

Presenter: NESVIZHEVSKY, V.

Contribution ID: 3

Type: **not specified**

3. Information on the Resolution of the 134th session of the JINR Scientific Council (September 2023) and on the decisions of the JINR Committee of Plenipotentiaries (November 2023)

Monday 29 January 2024 10:00 (20 minutes)

Presenter: DMITRIEV, S.

Contribution ID: 4

Type: **not specified**

4. Main themes and projects of the Seven-Year Plan for the Development of JINR for 2024–2030

Monday 29 January 2024 10:20 (30 minutes)

Presenter: NEDELKO, S.

Contribution ID: 5

Type: **not specified**

5. Work plan on the theme “Neutron Nuclear Physics” and projects within the framework of this theme for 2024

Monday 29 January 2024 11:20 (25 minutes)

Referees: K. Hahn, G. Kim, D. Kuzminov

Presenter: LYCHAGIN, E.

Contribution ID: 6

Type: **not specified**

6. Work plan on the theme “Synthesis and Properties of Superheavy Elements, the Structure of Nuclei at the Limits of Nucleon Stability” and projects within the framework of this theme for 2024

Monday 29 January 2024 12:10 (20 minutes)

Referees: D. Eremenko, Zhi Qin, E. Vardaci

Presenter: SIDORCHUK, S.

Contribution ID: 7

Type: **not specified**

7. Work plan on the large research infrastructure (LRI) “Development of the FLNR Accelerator Complex and Experimental Setups (DRIBs-III)” and projects within the framework of this LRI for 2024

Monday 29 January 2024 12:40 (20 minutes)

Referees: M. Gaidarov, I. Mazumdar, E. Vardaci

Presenter: SEMIN, V.

Contribution ID: 8

Type: **not specified**

8. Review of nuclear physics at the Dzhelepov Laboratory of Nuclear Problems

Monday 29 January 2024 14:20 (30 minutes)

Referees: D. Klinov, J. Lubián, V. Tshivhase

Presenter: YAKUSHEV, E.

Contribution ID: 9

Type: **not specified**

**9.1. “Verification of T-invariance in the total
interaction cross section of neutrons with
unpolarized nuclei using the polarization–
asymmetry theorem”**

Monday 29 January 2024 14:50 (20 minutes)

Presenter: SKOY, V.

Session Classification: 9. Scientific reports:

Contribution ID: **10**

Type: **not specified**

9.2. "Study of the properties and applications of nanodiamond reflectors of low-energy neutrons"

Monday 29 January 2024 15:10 (20 minutes)

Presenter: NEZVANOV, A.

Session Classification: 9. Scientific reports:

Contribution ID: 12

Type: **not specified**

10. Meeting of the PAC members with the JINR Directorate

Monday 29 January 2024 15:50 (1 hour)

Session Classification: Closed session

Contribution ID: 13

Type: **not specified**

11. Visit to the Flerov Laboratory of Nuclear Reactions

Monday 29 January 2024 16:50 (1 hour)

Contribution ID: 14

Type: **not specified**

12. Presentations of the new results and proposals by FLNP young scientists in the field of nuclear physics (9 reports)

Tuesday 30 January 2024 09:30 (1h 30m)

Contribution ID: 15

Type: **not specified**

13. Closed discussion of the young scientists' presentations

Tuesday 30 January 2024 11:20 (20 minutes)

Session Classification: Closed session

Contribution ID: **16**

Type: **not specified**

14. Drafting the PAC recommendations

Tuesday 30 January 2024 11:40 (40 minutes)

Session Classification: Closed session

Contribution ID: 17

Type: **not specified**

15. Proposals for the agenda of the next PAC meeting

Tuesday 30 January 2024 12:20 (40 minutes)

Session Classification: Closed session

Contribution ID: **18**

Type: **not specified**

16. Presentation of the PAC recommendations to the directorates of JINR and the laboratories

Tuesday 30 January 2024 13:00 (40 minutes)

Contribution ID: **19**

Type: **not specified**

17. Closing of the meeting

Tuesday 30 January 2024 13:40 (5 minutes)