

**Programme Advisory Committee for Nuclear Physics  
49th meeting, 22–23 January 2019**

**DRAFT PROGRAMME**

<http://indico.jinr.ru>

**Tuesday, 22 January 2019**

- 10.00 1. Joint session of the PAC for Particle Physics and the PAC for Nuclear Physics for the assessment of the JINR projects and research themes in the area of neutrino physics, astrophysics and dark matter:
- 1.1. Introductory word from the JINR Directorate V. Matveev
- 1.2. Overview of the research programme V. Bednyakov  
(30 min.)
- 1.3. Answers to questions of the PACs' members and general discussion in the presence of all project leaders
- Coffee break*
- Closed session
- 11.30 1.4. Referee reports (60 min.)
- 1.5. Joint discussion of the research programme (60 min.)
- 1.6. Adoption of the recommendations of the joint session (30 min.)
- 14.00 *Lunch break*
- 15.00 2. Implementation of the recommendations of the previous PAC meeting M. Lewitowicz  
(20 min.)
3. Information on the Resolution of the 124th session of the JINR Scientific Council (September 2018) and on the decisions of the JINR Committee of Plenipotentiaries (November 2018) M. Itkis  
(25 min.)
4. Concepts of new neutron sources at the Frank Laboratory of Neutron Physics and programme of experiments E. Lychagin  
(20 + 5 min.)  
*Referees: G. Kim, V. Ostashko, V. Nesvizhevsky*
5. Status of the Factory of Superheavy Elements:
- 5.1. DC-280 cyclotron I. Kalagin  
*Referees: S. Hofmann, M. Lewitowicz, Z. Vilakazi*  
(20 + 5 min.)
16. 40 *Coffee break*

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| 17.00 | 5.2. Separators<br><i>Referees: C. Beck, A. Korshennikov, E. Vardaci</i>                                   | A. Popeko<br>(20 + 5 min.)    |
|       | 5.3. Programme of Day-1 experiments at the SHE Factory<br><i>Referees: S. Hofmann, A. Maj, Z. Vilakazi</i> | V. Utyonkov<br>(20 + 5 min.)  |
|       | 6. Status of the GALS set-up<br><i>Referees: C. Beck, V. Nesvizhevsky, Z. Vilakazi</i>                     | S. Zemlyanoy<br>(20 + 5 min.) |
|       | 7. General discussion  | (30 min.)                     |
| 19.00 | <i>Reception</i>   |                               |

**Wednesday, 23 January 2019**

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| 9.00  | 8. Meeting of the PAC members with the JINR Directorate<br>(closed discussion)                     |                             |
| 9.45  | 9. Scientific report "Charged-current neutrino-nucleon reactions in the supernova neutrino-sphere" | A. Dzhiyev<br>(25 + 5 min.) |
| 10.20 | 10. Poster presentations by young scientists   | (40 min.)                   |
|       | <i>Coffee break<br/>(together with poster presentations)</i>                                       |                             |
|       | General conclusion on the poster presentations   |                             |
|       | <u>Closed session</u>  |                             |
| 11.00 | 11. Proposals for the agenda of the next PAC meeting   |                             |
|       | 12. Preparation of the PAC recommendations   |                             |
| 13.00 | 13. PAC recommendations  |                             |
| 13.20 | 14. Closing of the meeting   |                             |