

22 June 2009

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| 1. | Opening of the meeting | W. Greiner |
| 2. | Implementation of the recommendations of the previous PAC meeting | W. Greiner |
| 3. | Information on the Resolution of the 105th session of the JINR Scientific Council (February 2009) and on the decisions of the JINR Committee of Plenipotentiaries (March 2009) | M. Itkis |
| 4. | Preparation of the Draft Seven-Year Plan for the Development of JINR for 2010–2016 | M. Itkis |
| 5. | Reports and recommendations on the themes to be completed in 2009 (based on written reports) and proposals of new themes: | |
| 5.1. | Synthesis of New Nuclei and Study of Nuclear Properties and Heavy-Ion Reaction Mechanisms (03-5-1004-94/2009)
New theme:
Synthesis and Properties of Nuclei at the Stability Limits | Yu. Oganessian |
| | Joint report (5.2 and 5.3): | |
| 5.2. | Development and Construction of an Accelerator Complex for Producing Radioactive Ion Beams (Project DRIBs) (03-0-0002-2000/2009) | G. Gulbekyan |
| 5.3. | Development of the FLNR Cyclotron Complex for Producing Intense Beams of Accelerated Ions of Stable and Radioactive Isotopes (03-5-1014-96/2009)
Joint new theme:
Accelerator Complex of Ion Beams of Stable and Radioactive Nuclides (DRIBs-III) | |
| 5.4. | Improvement and Development of the JINR Phasotron for Fundamental and Applied Research (03-2-1038-2001/2009)
New theme:
Improvement of the JINR Phasotron and Design of Cyclotrons for Fundamental and Applied Research | M. Kazarinov |
| 6. | Reports and recommendations on the projects to be completed in 2009 and proposals of new projects: | |
| 6.1. | Study of double-beta decay processes in the NEMO experiment (project NEMO-3) | O. Kochetov |
| 6.2. | A search for cold dark matter with cryogenic detectors in the Fréjus underground laboratory (project EDELWEISS-II) | E. Yakushev |

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| 6.3. | Searching for neutrinoless double-beta decay of ^{76}Ge
(project GERDA&MAJORANA) | A. Smolnikov |
| 6.4. | Measurement of the magnetic moment of the neutrino with
the low-background germanium spectrometer GEMMA-II
(project GEMMA-II) | V. Egorov |
| 6.5. | Study of interactions of light nuclei in the astrophysical energy
region (project LESI) | V. Bystritsky |
| 6.6. | Spin Physics at hadron storage RINGs (project SPRING) | A. Kulikov |
| 6.7. | Precise investigation of rare and forbidden decays of pions
and muons (project MEG-PEN) | D. Mzhavia |

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| 6.8. | A study of pion interactions with helium nuclei at intermediate
energies (project PAINUC) | G. Pontecorvo |
| 6.9. | Experimental study of the dynamics of thermal nuclear
multifragmentation (project FASA-3) | S. Avdeev |
7. Consideration of poster presentations of new results and proposals
by young scientists in the field of nuclear physics research
8. General discussion

Closed session:

9. Meeting of the independent members of the PAC for Nuclear Physics
with the JINR Directorate
10. Preparation of the PAC recommendations.
Proposals for the agenda of the next PAC meeting
11. PAC recommendations
12. Closing of the meeting