

**Members of the PAC for Condensed Matter Physics**Independent members

P. Alexeev	—	RRC “Kurchatov Institute”, Moscow, Russia
P. Balgavý*	—	Comenius University, Bratislava, Slovakia
L. Bottyán*	—	KFKI, Budapest, Hungary
E. Burzo	—	University, Cluj-Napoca, Romania
F. Currell*	—	Queen’s University, Belfast, United Kingdom
G. Eckold	—	IPC, Göttingen, Germany
H. Fuess	—	IMB, Darmstadt, Germany
V. Kantser	—	ASM, Chisinau, Moldova
A. Kuzmin	—	ISSP, Riga, Latvia
D. Nagy	—	KFKI, Budapest, Hungary
G. Pépy	—	LLB, Saclay, France
V. Petrov	—	IMBP, Moscow, Russia
F. Spurný	—	NPI, Prague, Czech Republic
J. Wąsicki*	—	IP, Poznan, Poland

Ex officio members appointed from JINR

P. Apel	—	Deputy Head of Department, FLNR
O. Belov	—	Scientific Secretary of the PAC
A. Belushkin	—	Director, FLNP
E. Krasavin	—	Director, LRB
V. Osipov	—	Deputy Director, BLTP

Invited experts

Ch. Vettier	—	ILL, Grenoble, France
S. Petrović	—	University, Belgrade, Serbia

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\* was not present at this meeting

**18 January 2010**

1. Opening of the session V. Kantser
2. Implementation of the recommendations of the 30th PAC meeting V. Kantser
3. Information on the Resolution of the 106th session of the JINR Scientific Council (September 2009) and on the decisions of the JINR Committee of Plenipotentiaries (November 2009) M. Itkis
4. Information of the JINR Directorate on the activities related to the International Innovative Nanotechnology Centre for CIS countries A. Ruzaev
5. Report on the concluding theme “Information, computer and network support of JINR’s activity” (05-6-1048-2003/2010) and proposal for its extension for the period 2011–2013 V. Ivanov
- 6 Report on the concluding theme “Mathematical support of experimental and theoretical studies conducted by JINR” (05-6-1060-2005/2010) and proposal for its extension for the period 2011–2013 Gh. Adam
7. Radiation research at LRB G. Timoshenko
8. Scientific report “Combined action of ultraviolet (UV-B) and  $\gamma$ -radiation as an escalating risk factor for cataract formation in mice” K. Muranov
9. Scientific report “First-principle simulations of structure and properties of metallic glasses” V. Kazimirov
10. Scientific report “The Casimir effect for existing and new materials” I. Pirozhenko
11. Information on the II Advanced Courses for CIS countries “Synchrotron and Neutron Studies of Nanosystems (SYN-nano-2009)” (29 June – 30 July 2009, Dubna–Moscow) N. Ryabova
12. Information on the all-Russian scientific school for youth “Modern Neutronography: Interdisciplinary Studies of Nanosystems and Materials” (12–20 October 2009, Dubna) A. Khokhryakov
13. Visit to the IBR-2 reactor

**19 January 2010**

14. Report on the concluding theme “Upgrade of the IBR-2 complex” (04-4-0851-87/2010) A. Vinogradov
15. Proposal of a new theme: “Development of the IBR-2M reactor with a complex of cryogenic neutron moderators” for the period 2011–2013 A. Belushkin
16. Reconstruction of beam line 7A of the IBR-2M reactor for the diffractometers EPSILON-MDS and SKAT Ch. Scheffzuek
17. Project of the new multifunctional reflectometer GRAINS with a horizontal sample plane at the IBR-2M pulsed reactor: status report M. Avdeev
18. Overview of the research of nanosystems at FLNP D. Kozlenko
19. Fabrication and investigation of nanostructured materials using accelerated heavy-ion beams P. Apel
20. Scientific report “Complementarity of neutron and synchrotron research” Ch. Vettier
21. Poster session of FLNP, FLNR, and BLTP
22. General conclusion on the FLNP, FLNR, and BLTP poster session T. Tropin
23. General discussion
24. Proposals for the agenda of the next PAC meeting
25. PAC recommendations
26. Closing of the meeting