

PAC members:

Pavel Alekseev	—	Kurchatov Institute, Moscow, Russia
Latchezar Avramov	—	IE, Sofia, Bulgaria
Martina Dubnickova	—	Comenius University, Bratislava, Slovakia
Hartmut Fuess*	—	IMS, Darmstadt, Germany
Richard Hall-Wilton	—	ESS, Lund, Sweden
Nikolay Kardjilov*	—	HZB ME, Berlin, Germany
Alexei Kuzmin*	—	ISSP, Riga, Latvia
Pavol Mikula	—	INP, Řež, Czech Republic
Dénes Lajos Nagy	—	Wigner RCP, Budapest, Hungary
Toby Perring	—	RAL, Didcot, United Kingdom
Raffaele Saladino	—	Tuscia University, Viterbo, Italy
Deleg Sangaa	—	IPT, Ulaanbaatar, Mongolia
Jan Wąsicki	—	IP, Poznan, Poland

* is not present at this meeting

Invited expert

Alexander Ioffe — JCNS MLZ, Jülich, Germany

Ex officio members appointed by the JINR:

Gheorghe Adam — Deputy Director, LIT

Pavel Apel — Deputy Head of Department, FLNR

Oleg Belov — Scientific Secretary of the PAC

Alexander Belushkin — Head of Division, FLNP

Michal Hnatič — Deputy Director, BLTP

Michail Itkis — Vice-Director, JINR

Evgeny Krasavin — Director, LRB

Programme Advisory Committee for Condensed Matter Physics

47th meeting, 22–23 January 2018

Monday, 22 January 2018

09:30 - 09:35	1. Opening of the meeting	D. L. Nagy
09:35 - 09:55	2. Implementation of the recommendations of the previous PAC meeting	D. L. Nagy
09:55 - 10:20	3. Information on the Resolution of the 122nd session of the JINR Scientific Council (September 2017) and on the decisions of the JINR Committee of Plenipotentiaries (November 2017)	M. Itkis
10:30 - 11:10	4. Development of the scientific case for a new source of neutrons at JINR	N. Kučerka
11:25 - 11:45	Coffee break	
11:45 - 12:15	5. A 20-year forward look at JINR's high-flux pulsed neutron source	E. Shabalin
12:25 - 13:05	6. Cooperation between JINR and the National Synchrotron Radiation Centre SOLARIS (Kraków, Poland)	V. Shvetsov
13:15 - 15:00	Lunch break	
15:00 - 15:40	7. IBR-2 spectrometer complex: current state, plan of developments and recent results	D. Kozlenko
15:50 - 16:20	8. High-pressure neutron diffractometer DN-6 for investigation of microsamples under extreme condition: recent results	E. Lukin
16:25 - 16:45	9. Information about the statistics of implementation of the User Programme at the IBR-2 spectrometers in 2015–2017	D. Chudoba
17:00 - 17:20	Coffee break	
17:20 - 18:10	10. Scientific reports:	
17:21 - 17:46	10.1. "Cultural heritage research using neutron imaging at the IBR-2 reactor"	I. Saprykina
17:45 - 18:10	10.2. "Planar graphene tunnel field-effect transistor: effect of edge vacancies on performance"	V. Katkov

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| 09:00 - 10:00 | 11. Meeting of the PAC members with the JINR Directorate | |
| 10:00 - 10:15 | 12. Information about the International Conference "Condensed Matter Research at the IBR-2" (Dubna, 9–12 October 2017) | T. Ivankina |
| 10:20 - 11:10 | 13. Poster presentations by young scientists | |
| 10:20 - 11:10 | Coffee break (together with poster presentations) | |
| 11:10 - 11:20 | 14. Overview of the poster presentations | T. Tropin |
| 11:30 - 11:40 | 15. Award of the authors of the best poster presentations made at the previous PAC meeting | |
| 11:40 - 12:30 | 16. General discussion | |
| | <u>Closed session:</u> | |
| 12:30 - 13:00 | 17. Proposals for the agenda of the next PAC meeting | |
| 13:00 - 13:20 | 18. Adoption of the PAC recommendations | |
| 13:20 - 13:30 | 19. Closing of the meeting | |