

Program advisory committee meetings for nuclear physics and for materials and life experiments

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The Program Advisory Committee (PAC) is in charge of reviewing the scientific proposals submitted for use at the accelerator facility of the RIKEN Nishina Center (RNC). Three PAC meetings were held in the fiscal year 2024: one for proposals in the field of nuclear physics (NP-PAC) and two for proposals in the field of materials and life sciences (ML-PAC).

NP-PAC

The 25th NP-PAC meeting was held from December 11 to 13, 2024,¹⁾ with 16 PAC members in attendance. The meeting was held in person, with no remote presentation via Zoom. A total of 28 proposals were reviewed, and 14 among them were approved as grade S and A. A construction proposal was also reviewed and was approved as grade S. The outcome of the NP-PAC meeting is summarized in Table 1.

The members of the 25th NP-PAC were as follows: J. Dilling (Oak Ridge National Laboratory, the chair), S. Grevy (CENBG), M. Dasgupta (The Australian National University), M. Gorska (GSI), T. Kawabata (Osaka University), M. Matsuo (Niigata University), R. Zegers (Michigan State University), M. Asai (JAEA), P. Butler (University of Liverpool), E. Hiyama (RIKEN), M. Lewitowicz (GANIL), W. Liu (SUNTech), A. Moro (Universidad de Sevilla), T. Papenbrock (University of Tennessee/Oak Ridge National Laboratory), G. Rogachev (Texas A&M University), and K. Wimmer (GSI).

ML-PAC

The 26th and 27th ML-PAC meetings were held via email, in May–June 2024 and in February–March 2025, respectively.²⁾ A proposal was reviewed in the 26th ML-PAC, and was ranked as grade B. Another proposal was reviewed in the 27th ML-PAC, and was ranked as grade A. The outcome of these meetings is summarized in Table 2.

The members of the 26th and 27th ML-PAC were as follows:

Y. Kobayashi (The University of Electro-Communications, the chair), H. Tanuma (Tokyo Metropolitan University), Z. Qin (Chinese Academy of Sciences), H. Yamase (NIMS), I. Watanabe (RIKEN Nishina Center for Accelerator-Based Science), Y. Hirayama (KEK), Y. Miyazawa (Yamagata University), and Y. Suto (QST).

Table 1. Summary of the outcome of the 25th NP-PAC meeting. The proposals ranked as S and A are the “approved” proposals.

25th NP-PAC (December 11–13, 2024)		
	requested proposals (days)	approved proposals (days)
CRIB (AVF)	3 (29.5)	1 (13.5)
RRC	2 (15.5)	1 (5)
KISS	3 (15)	3 (15)
BigRIPS/ZD	9 (50.5)	3 (13, inc. 6 of “S”)
SHARAQ/OEDO	2 (17)	1 (5)
Rare RI Ring	3 (21)	2 (8)
SAMURAI	5 (28.5)	3 (15.5)
Construction	1 (-)	1 (-)
Total	28 (177)	14 (75)

Table 2. Summary of the outcome of the 26th and 27th ML-PAC meetings. Only the proposal ranked as A is the “approved” proposal.

26th ML-PAC (May–June 2024)		
	requested proposal (days)	approved proposal (days)
	1 (1)	0 (0)
27th ML-PAC (February–March 2025)		
	requested proposal (days)	approved proposal (days)
	1 (6)	1 (4)

References

- 1) <https://www.nishina.riken.jp/RIBF/NP-PAC/index.html>.
- 2) <https://www.nishina.riken.jp/RIBF/ML-PAC/index.html>.

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