

## 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 the use of the accelerator facility at the RIKEN Nishina Center (RNC). Two PAC meetings were held in the fiscal year 2023: one for proposals in the field of nuclear physics (NP-PAC) and the other for proposals in the field of materials and life sciences (ML-PAC).

### NP-PAC

The 24th NP-PAC meeting was held from December 5 to 7, 2023,<sup>1)</sup> with the attendance of 16 PAC members. The meeting was held in person, with the option of Zoom presentation available for participants whose overseas travels were difficult. Before this NP-PAC meeting, nine PAC members were replaced. The new members are: 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). J. Dilling from Oak Ridge National Laboratory had newly taken on the role of chairperson of the meeting. A total of 39 proposals were reviewed, and 19 among them were approved as grade A. Two construction proposals were also reviewed and both were approved as grade S. The outcome of the NP-PAC meeting is summarized in Table 1.

Table 1. Summary of the outcome of the 24th NP-PAC meeting. The proposals ranked as S and A are the “approved” proposals.

24th NP-PAC (December 5–7, 2023)		
	requested proposals (days)	approved proposals (days)
GARIS	1 (17)	1 (17)
CRIB (AVF)	2 (28)	2 (28)
RRC	2 (13)	1 (7)
KISS	3 (15.5)	1 (7.5)
BigRIPS/ZD	20 (100)	10 (42)
SHARAQ/OEDO	1 (19)	0 (0)
Rare RI Ring	2 (22)	1 (3)
SAMURAI	6 (75)	3 (18)
Construction	2 (-)	2 (-)
Total	39 (289.5)	21 (122.5)

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The members of the 24th 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 24th ML-PAC meeting was scheduled in spring 2023, but the meeting was not held as there were no proposals submitted for review. The 25th ML-PAC meeting was held via Zoom on December 19, 2023, followed by an email review in December 2023 and January 2024.<sup>2)</sup> Three proposals were reviewed and all of them were approved as grade A. The outcome of this meeting is summarized in Table 2.

Table 2. Summary of the outcome of the 25th ML-PAC meetings. The proposals ranked as A are the “approved” proposals.

25th ML-PAC (December 2023–January 2024)	
requested proposals (days)	approved proposals (days)
3 (13)	3 (13)

The members of the 25th 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 (National Institutes for Quantum Science and Technology).

### References

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