

## Program Advisory Committee meetings for nuclear physics and for materials and life sciences

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There are two Program Advisory Committees (PACs) that are responsible for reviewing submitted proposals in the fields of nuclear physics (NP-PAC) and materials and life science (ML-PAC). The NP-PAC is co-organized by the RIKEN Nishina Center (RNC), the Center for Nuclear Study (CNS), the University of Tokyo, and the Wako Nuclear Science Center (WNSC), Institute of Particle and Nuclear Studies (IPNS), KEK. The NP-PAC reviews experimental programs at RI Beam Factory (RIBF), whereas the ML-PAC reviews those at the Rutherford Appleton Laboratory (RAL) and RIBF.

### NP-PAC

The 21st NP-PAC meeting was held online on December 14–16, 2020 at 9:00 p.m.–2:00 a.m. JST,<sup>1)</sup> where 30 proposals were received and reviewed. This was the first online meeting conducted owing to the travel restrictions imposed by COVID-19. The PAC members watched the presentation videos prepared by the applicants in advance, and only conducting a question and answer session with the applicants on the day of the meeting, thus streamlining the meeting. Proposals were evaluated on the basis of five grades: S, A, B, C, and D. Those with a grade of B or higher were approved, of which those with a rating of S or A will be given priority for beamtime allocation. Table 1 summarizes the outcome of the 21st NP-PAC meeting.

The members of the 21st NP-PAC meeting were R. V. F. Janssens (Chair, Univ. of North Carolina), D. Ackermann (GANIL), N. Aoi (Osaka Univ.), M. J. G. Borge (CSIC, Madrid), R. Charity (Washington Univ. in St. Louis), A. O. Macchiavelli (LBNL), G. Martinez-Pinedo (GSI/TU Darmstadt), I. Moore (Univ. of Jyväskylä), D. J. Morrissey (MSU), H. Nakada (Chiba Univ.), A. Obertelli (TU Darmstadt), T. Saito (RIKEN), K. Sekiguchi (Tohoku Univ.), P. J. Woods (Univ. of Edinburgh), A. Vitturi (Univ. of Padova), and X. Zhou (IMP).

### ML-PAC

The 20th ML-PAC meeting was held in January 2021.<sup>2)</sup> At this meeting, only proposals for the use of the RIBF were solicited, and not proposals for the use of muon beams at RAL owing to the RAL-ISIS long shutdown. All the five submitted RIBF proposals were

reviewed. As with the NP-PAC, a face-to-face meeting was avoided, and in consideration of the number of applications, the review was conducted through email. For experimental proposals using RIBF, the same evaluation grade as for NP-PAC was adopted. The outcome of the meeting is summarized in Table 2.

The members of the 20th ML-PAC meeting were A. D. Hillier (Chair, RAL-ISIS), T. Takayanagi (Saitama Univ.) Y. Kobayashi (Univ. of Electro-Communications) Z. Qin (CAS-IMP), and Y. Miyazawa (Yamagata Univ.).

Table 1. Summary of the outcome of the 21st NP-PAC meeting. The sum of the proposals ranked with S and A is listed in the “approval” columns.

	21st NP-PAC (December 14–16, 2020)			
	proposal number		beam time (days)	
	request	approval	request	approval
RILAC (GARIS, ...)	5	2	61.5	15
AVF (CRIB, ...)	7	4	85.5	51
RRC (KISS, ...)	2	1	12.5	6
BigRIPS/ZD	7	3	56.5	16
SHARAQ/OEDO	1	0	7.5	0
SAMURAI	9	4	81.5	32.5
Rare RI Ring	1	0	12	0
(BigRIPS-related)	18	7	157.5	48.5
Total	32	14	317	120.5

Table 2. Summary of the outcome of the 20th ML-PAC meeting. For the RIBF proposals, the sum of the proposals ranked with S and A is listed in the “approval” columns.

	20th ML-PAC (January 2021)			
	proposal number		beam time (days)	
	request	approval	request	approval
RAL	—no call for proposals—			
RIBF	5	5	20	17
Total	5	5	20	17

### References

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

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