



# 8th High Power Targetry Workshop

May 9-13, 2022



RIKEN, Nishina Center for Accelerator-based Science, Wako, Saitama, Japan

## 2<sup>nd</sup> Announcement



### Dear Colleagues,

This is the second announcement of the **8th High Power Targetry Workshop**, which will be hosted by RIKEN and J-PARC and will take place at **RIKEN Nishina Center for Accelerator-based Science, Wako, Saitama, Japan, from May 9th to May 13th, 2020**, in a hybrid style, i.e., both in-person (onsite) and remote (online) participation will be possible. Based on the current status of COVID-19, we don't know how much in-person participation will be possible. We hope that the situation will improve so that as many people as possible can participate in person.

The HPT Workshop brings together scientists and engineers from the international community for particle accelerator targetry. Applications include neutrino facilities, neutron facilities, radioactive ion beam facilities, material irradiation facilities, accelerator driven systems, and precision experiments for rare processes.

### Important dates:

2022/02/1 - 03/21	Abstract submission
2022/03/31	Oral or poster acceptance
2022/02/15 -	Registration
2022/04/13	3rd Circular
2022/04/25	Program announcement
2022/05/09-05/13	Workshop

### Conference Web page:

Please visit the conference web page for detailed information:

<https://indico2.riken.jp/event/3102/> .

### Conference Venue:

The conference will take place at the conference room on the second floor of the RIBF building. (E01 in the MAP ([https://www.riken.jp/en/access/wako-map/#campus\\_map](https://www.riken.jp/en/access/wako-map/#campus_map)))

### Scientific Program:

Overview talks and contributions will cover current research and challenges both from the target maker's perspective as well as from the experimenter's point of view. Participants are invited to submit their contributions covering one of the following topics or related subjects. Themes for the workshop include:

1. R&D to support concepts: R&D: target physics, testing and material
2. Radiation damage in target material and related simulations: Radiation damage simulation and databases
3. Post-irradiation examination: PIE results, feedback to R&D and design, experimental technologies
4. Target design, analysis, and validation of concepts: Target design and optimization by numerical simulations
5. Target facility challenges: Facility radioprotection, remote handling, lifecycle challenges
6. Construction, fabrication, inspection, quality assurance: Integration, feedback/experience
7. Operation of targets and beam dumps: Operational experience, instrumentation and monitoring, maintenance
8. Multipurpose use of targets and beam dumps: Beam dump facilities for irradiation and particle generation

Time will be available for open discussion and we would welcome suggestions of suitable topics. For those who are interested in establishing inter-laboratory collaborations, we may provide support to organize satellite meetings.

### Instructions to Speakers:

#### • Abstracts

Abstracts can be submitted to the Scientific Program Committee (SPC) through the following URL:

<https://indico2.riken.jp/event/3102/abstracts/>

Abstracts should have appropriate length (less than 500 words), including title, author(s), affiliation(s), reference(s). They will be edited and reformatted by the LOC to make an abstract booklet. **The abstracts should be submitted before March 21, 2022.**

