



# 8th High Power Targetry Workshop

November 6-10, 2023



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

## 1<sup>st</sup> Announcement



Dear Colleagues,

This is the first 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 Nov. 6th to Nov. 10th, 2023**.

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. This workshop will be conducted in-person.

### Important dates:

2023/06/10 - 08/10	Abstract submission
~2023/06/30	VISA information form (if you need temporary visitor VISA,)
2023/08/31	Oral or poster acceptance
2023/09/10 - 10/15	Early registration
2023/10/1	Program announcement
2023/10/16 -	Late registration
2023/10/20	2nd Circular
2023/11/06-11/10	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. The registration desk is located at the foyer of the main conference room. When you arrive at the RIKEN campus, please make a brief stop at the west gate of the campus to get your temporary ID card. The guard will check to see if you are listed in the participant list. Then please come to the RIBF bldg. (E01 in the MAP ( [https://www.riken.jp/en/access/wako-map/#campus\\_map](https://www.riken.jp/en/access/wako-map/#campus_map) ) located at the east end of the campus. Enter the main entrance of the east side of the building and go up to the 2nd floor. The registration desk will be open from 8:30 AM. Please note that the main entrance of the RIBF bldg. is usually locked and can be unlocked by your temporarily ID card.

### 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.

### Tentative schedule:

Time	Nov. 6 Mon	Nov. 7 Tue	Nov. 8 Wed	Nov. 9 Thu	Nov. 10 Fri
8:00					
8:30	Registration				
9:00	Welcome				
9:30					
10:00	Oral presentations	Oral presentations	Oral presentations	Oral presentations	Oral presentations
10:30					
11:00					
11:30					
12:00	Lunch				
12:30	Lunch				
13:00	Lunch				
13:30			Oral presentations	Transfer to banquet	Oral presentations
14:00					
14:30	Oral presentations	Oral presentations	Lab tour	Excursion	Discussion & Closing remarks
15:00					
15:30					
16:00					
16:30					
17:00		Poster session <sup>#</sup>		Banquet	
17:30					
18:00	Welcome reception	Poster session <sup>#</sup>	SPC meeting	Banquet	
18:30					
19:00					
19:30					
20:00				Return to Wako	
20:30					
21:00					
21:30					
22:00					

<sup>#</sup>Short oral presentation session will be included in the first half hour in the poster session.

### 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 for text), 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 August 10, 2023.**

#### • Presentations

The details on presentations will be appear in the 2<sup>nd</sup> announcement.

### Registration:

**Registration Fee for participant: ¥45,000 (early registration), ¥50,000 (late registration) and ¥35, 000 (student)**

It Includes:

Lunch (11/6-11/10)

Welcome reception.

Banquet with excursion

Coffee break

**Registration Fee for accompanying person: ¥15,000**

It Includes:

Welcome reception

Banquet with excursion

**The online registration will open on Sept. 10<sup>th</sup> 2023. On-site credit card (Visa, Master Card, etc.) payment is available.**

Regardless of participation or non-participation of each item, the registration fee is a flat fee.

## Transportation:

Information on how to reach RIKEN Wako-campus is available in the following web site.

<https://www.riken.jp/en/access/wako-map/>

## Hotel Information:

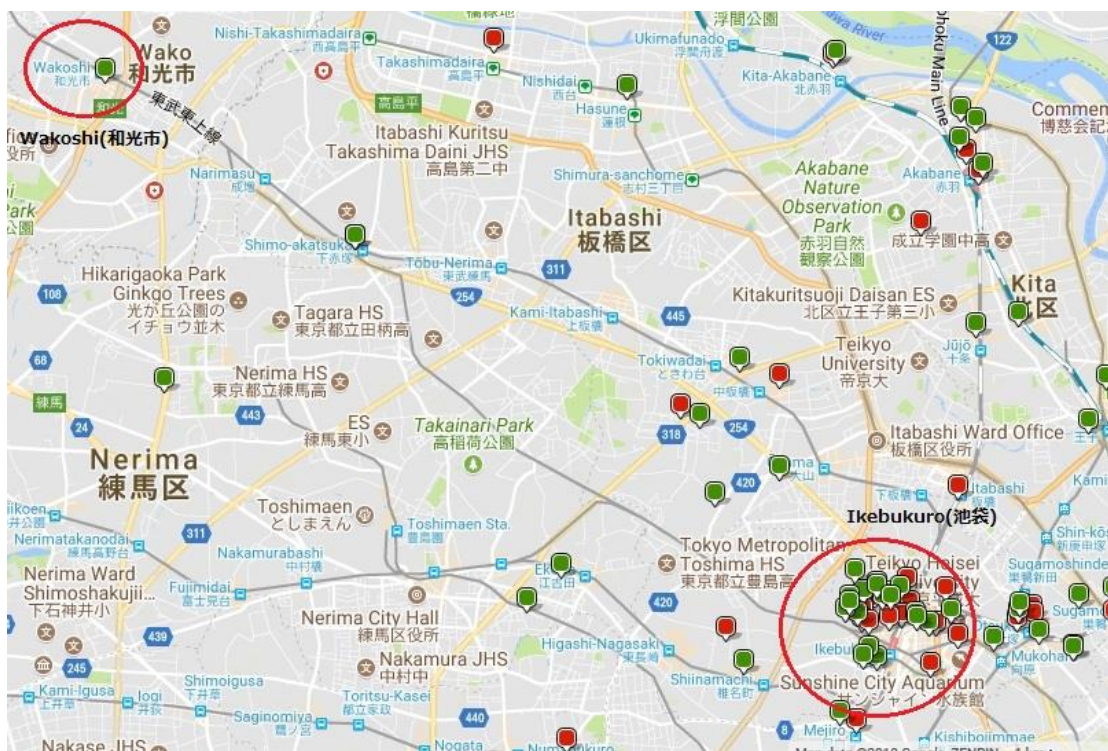
There are three hotels near Wako-station as listed below:

Wakoshi Tobu Hotel (<https://www.tobuhotel.co.jp/wako/en/> )

Super Hotel Saitama, Wako-shi Ekimae (<https://www.superhoteljapan.com/en/s-hotels/wako/> )

Toyoko Inn Wako-shi Ekimae (<https://www.toyoko-inn.com/eng/search/detail/00090> )

It is encouraged to have reservation as soon as possible. From Wako-shi station It takes 15 minutes to get to RIKEN Nishina Center by walk. You can find many hotels at Ikebukuro area through the web sites for hotel booking such as Expedia and Hotels.com. From Ikebukuro station to Wako-shi station it takes 12 minutes by Tobu-Tojo line or Metro Fukutoshin line as shown in the Map. If you have any problems in finding your hotels please contact with the LOC.



## VISA:

You might require a “Temporary Visitor VISA”. Please visit the following website to see if you are a candidate: Exemption of visa (short-term stay) of the Ministry of Foreign Affairs of Japan ( [http://www.mofa.go.jp/j\\_info/visit/visa/short/novisa.html](http://www.mofa.go.jp/j_info/visit/visa/short/novisa.html) ).

To obtain official documents for visa application issued by the Local Organizing Committee of the HPTW meeting to be held in Japan: Please send us ([hptw2023-loc@ml.i-parc.jp](mailto:hptw2023-loc@ml.i-parc.jp) ) the complete VISA information form as instructed ASAP. below no later than **June 30, 2023**.

#Application check sheet (please fill out completely)

#Consent form for handling personal information based on GDPR (If you are working in Europe)

Contact with LOC to get the application check sheet and the consent. The LOC will send you them with a sample.

#CV (Working history needed, without publication list)

#A copy of your passport

#The name and location of the Japanese embassy or consulate where you will submit the visa application.

It will take about a month for the HPTW2020 meeting secretariat to process official documents for VISA application after receiving your VISA information form. All the documents will be issued by RIKEN (<http://www.riken.jp/en/> ). You must reserve airline tickets and book a hotel to in advance to obtain official VISA documents.

It is your responsibility to make appropriate action to obtain the VISA on time.

## Social program:

### Welcome reception

Welcome reception will be held on Monday evening at cafeteria of the RIKEN Wako campus. The reception will include light snacks and drinks.

### Lunch

Lunch boxes will be prepared for the participant every day.

### Banquet with excursion

We are planning a short excursion to Kawagoe city, Saitama prefecture. Kawagoe is a town of history retaining the culture and old town atmosphere of Edo (<https://www.koedo.or.jp/en/>). Banquet will be held at the traditional Japanese restaurant, "Ryotei Yamaya" (<https://ryoutei-yamaya.com/en/#id1>). A selection of authentic Japanese cuisine will be provided. Don't worry about "seiza (sitting straight)" in this restaurant because tables and chairs will be prepared to enjoy the dinners.

### Labo tour

We invite you to Lab tour at RIKEN Wako campus. You will have the chance to visit our experiment facility and research environment etc.

## Contact Information:

E-mail address: [hptw2023-loc@ml.j-parc.jp](mailto:hptw2023-loc@ml.j-parc.jp).

Postal address

Dr. Hiroki Okuno(Chair)

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### Scientific Program Committee:

<i>C.Boehlert (MSU/CHEM)</i>	<i>T. Naoe (JAEA/J-PARC)</i>
<i>M. Calviani (CERN)</i>	<i>H. Okuno (RIKEN)</i>
<i>Y. Dai (PSI)</i>	<i>F. Pellemoine (FiNAL)</i>
<i>C. Densham (STFC/RAL)</i>	<i>C. Stodel (GANIL)</i>
<i>A. Gottberg (TRIUMF)</i>	<i>T. Stora (CERN)</i>
<i>P. Hurh (FNAL)</i>	<i>H. Weick (GSI)</i>
<i>D. Kim (BNL)</i>	<i>D. Winder (ORNL)</i>
<i>Y. Lee (ORNL)</i>	<i>M. Wohlmuther (ESS)</i>

### Local Organizing Committee:

RIKEN	J-PARC (KEK/JAEA)
<i>H. Okuno (Chair)</i>	<i>S. Makimura (Co-chair)</i>
<i>T. Adachi</i>	<i>M. Futakawa</i>
<i>H. Hasebe</i>	<i>K. Haga</i>
<i>H. Imao</i>	<i>N. Kawamura</i>
<i>Y. Miyake</i>	<i>T. Matsubara</i>
<i>T. Nishi</i>	<i>T. Naoe</i>
<i>K. Sakuma</i>	<i>S. Saito</i>
<i>A. Uchiyama</i>	<i>H. Takahashi</i>
<i>K. Yoshida</i>	