

Dear colleagues,

It is our great pleasure to inform you that following PHITS international online tutorials will be held.

1, Beginners' course, May 18-22<sup>nd</sup>. 2026.

2, Advanced course, Oct. 12-16<sup>th</sup>. 2026.

The course and PHITS license are completely free of charge.

The beginners' course is dedicated to those who would like to start using PHITS or those who once learned PHITS but would like to review it. Please feel free to forward this message to your colleagues who are interested in PHITS.

To participate in the tutorials, please be sure to have a network environment stable enough to run a Zoom client.

Please follow the instructions below to register for the tutorials.

1, Tutorial registration

Fill out and send the form

Beginners course

<https://forms.office.com/Pages/ResponsePage.aspx?id=Ib1WDX8PH0GuiflA8SY483Z17f1QOgxMk4OPRW3X6lRUOVhNVjlQM0paUFNKMUpIM01PVkpJMEw2Sy4u>

Advanced course

<https://forms.office.com/Pages/ResponsePage.aspx?id=Ib1WDX8PH0GuiflA8SY483Z17f1QOgxMk4OPRW3X6lRUOTRESUo4WVA4UIZWQIQ5VVY2S0FZWDRYNy4u>

If you wish to participate in both beginners' and advanced courses, please send the form twice, one for the beginners' course and the other for the advanced course.

Remarks

Please type your full name including your middle names.

Please use your institutional email address (free addresses such as Gmail cause problems afterwards).

If you are a foreigner living in Japan more than 6 months, please write the name and E-mail address of your Japanese supervisor in the "message body".

If the webform does not work, please send your registration information to [phits-en-tutorial@jaea.go.jp](mailto:phits-en-tutorial@jaea.go.jp).

## 2, PHITS license application

Please select 2-1, 2-2 or 2-3 depending on your status.

2-1 For foreigners living in Japan more than 6 months

Access to <https://phits.jaea.go.jp/annai-tutorial.html>

Follow the instructions there. Please ask your Japanese supervisor to help you out.

2-2-1 PHITS non-users or users with Ver.3.09 or older, and NOT working in either of the following countries (Argentina, Austria, Belgium, Bulgaria, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Italy, Netherlands, Norway, Poland, Portugal, Republic of Korea, Spain, Sweden, Switzerland, United Kingdom.)

Access to <https://phits.jaea.go.jp/howtoget.html>

Fill out the form.

Send the form from <https://phits.jaea.go.jp/forms/license-en-new/index.html>

If the webform does not work, please send the format to [phits-license@jaea.go.jp](mailto:phits-license@jaea.go.jp).

2-2-2 PHITS non-users or users with Ver.3.09 or older, and working in either of the following countries (Argentina, Austria, Belgium, Bulgaria, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Italy, Netherlands, Norway, Poland, Portugal, Republic of Korea, Spain, Sweden, Switzerland, United Kingdom, United States of America..)

Send a license request form to OECD-NEA Databank

<https://www.oecd-nea.org/tools/cpsrequest/start/NEA-1931%2501>

2-3 For PHITS users with Ver.3.10 or newer

You can download the latest version later. Please wait for the follow-up messages.

3, Read and follow the announcement (e.g., schedule, login guidance, etc) sent from phits-entutorial@jaea.go.jp later.

PHITS office

## ----- Tutorial Timetable-----

### Beginners' Course Schedule

(Time: **Coordinated Universal Time**)

Date : 18-22<sup>nd</sup> May. 2026. UTC 11:00-14:00 (Short breaks: 12:00-12:10, 13:00-13:10)

Registration deadline for new users: 10th Apr. 2026

Registration deadline for current users: 11th May. 2026

Registration form :

<https://forms.office.com/Pages/ResponsePage.aspx?id=Ib1WDX8PH0GuiflA8SY483Z17f1QOgxMk4OPRW3X6lRUOVhNVjlQM0paUFNKMUpIM01PVkpJMEw2Sy4u>

18<sup>th</sup> May (Mon)

10:00 - 11:00 PHITS installation and checkup (optional)

11:00 - 12:00 Opening and PHITS overview

12:00 - 14:00 Basic Lecture 1-1 (geometry settings)

¥phits¥lecture¥basic¥lec01

14:00 - 15:00 Post-course free Q&A

19<sup>th</sup> May (Tue)

11:00 - 12:00 Basic Lecture 1-2 (source settings)

¥phits¥lecture¥basic¥lec01

12:00 Group photo

12:00 - 14:00 Basic Lecture 2 (Tally settings)

¥phits¥lecture¥basic¥lec02

14:00 - 14:30 Post-course free Q&A

20<sup>th</sup> May (Wed)

11:00 - 12:00 Basic Lecture 2 (Tally settings (continued))

¥phits¥lecture¥basic¥lec02

12:00 - 14:00 Basic Lecture 3 (parameter setting 1)

¥phits¥lecture¥basic¥lec03

14:00 - 14:30 Post-course free Q&A

21st May (Thu)

11:00 - 12:00 Basic Lecture 3 (parameter setting 2)

¥phits¥lecture¥basic¥lec03

12:00 - 14:00 Advanced Lecture 1 (advanced source definition)

¥phits¥lecture¥advanced¥sourceA

14:00 - 14:30 Post-course free Q&A

22nd May (Fri)

11:00 - 12:20 Exercise (stop  $\alpha$ ,  $\beta$ ,  $\gamma$ -rays & neutrons)

¥phits¥lecture¥exercise¥range

12:20 - 13:50 Exercise (melt snowman by proton beam!)

¥phits¥lecture¥exercise¥snowman

13:50 - 14:00 Closing session

14:00 - 14:30 Post-course free Q&A

# Beginners' Course Schedule (Time: Japan Standard Time)

Date : 18-22<sup>nd</sup> May. 2026. (Short breaks: 21:00-21:10, 22:00-22:10)

18<sup>th</sup> May (Mon)

19:00 - 20:00 PHITS installation and checkup (optional)

20:00 - 21:00 Opening and PHITS overview

21:00 - 23:00 Basic Lecture 1-1 (geometry settings)

¥phits¥lecture¥basic¥lec01

23:00 - 24:00 Post-course free Q&A

19<sup>th</sup> May (Tue)

20:00 - 21:00 Basic Lecture 1-2 (source settings)

¥phits¥lecture¥basic¥lec01

21:00 Group photo

21:00 - 23:00 Basic Lecture 2 (Tally settings)

¥phits¥lecture¥basic¥lec02

23:00 - 23:30 Post-course free Q&A

20<sup>th</sup> May (Wed)

20:00 - 21:00 Basic Lecture 2 (Tally settings (continued))

¥phits¥lecture¥basic¥lec02

21:00 - 23:00 Basic Lecture 3 (parameter setting 1)

¥phits¥lecture¥basic¥lec03

23:00 - 23:30 Post-course free Q&A

21<sup>st</sup> May (Thu)

20:00 - 21:00 Basic Lecture 3 (parameter setting 2)

¥phits¥lecture¥basic¥lec03

21:00 - 23:00 Advanced Lecture 1 (advanced source definition)

¥phits¥lecture¥advanced¥sourceA

23:00 - 23:30 Post-course free Q&A

22<sup>nd</sup> May (Fri)

20:00 - 21:20 Exercise (stop  $\alpha$ ,  $\beta$ ,  $\gamma$ -rays & neutrons)

¥phits¥lecture¥exercise¥range

21:20 - 22:50 Exercise (melt snowman by proton beam!)

~~¥phits¥lecture¥exercise¥snowman~~

22:50 - 23:00 Closing session

23:00 - 23:30 Post-course free Q&A

----- Tutorial Timetable -----

## Advanced Course Schedule

(Time: **Coordinated Universal Time**)

Date : 12-16th Oct. 2026. UTC 11:00-15:00 every day. (Short breaks: 12:00-12:10, 13:00-13:10, 14:00-14:10)

Registration deadline for new users: 7th Sep. 2026

Registration deadline for current users: 5th Oct. 2026

Registration form :

<https://forms.office.com/Pages/ResponsePage.aspx?id=Ib1WDX8PH0GuiflA8SY483Z17f1QOgxMk4OPRW3X61RUOTRESUo4WVA4UIZWQIQ5VVY2S0FZWDRYNy4u>

12th Oct. (Mon)

- |               |   |
|---------------|---|
| 11:00 - 11:20 | PHITS installation and checkup  |
| 11:20 - 12:00 | Opening and overview of recent PHITS updates  |
| 12:00 - 13:30 | Review Exercise 1 (stop $\alpha$ , $\beta$ , $\gamma$ -rays & neutron)<br>¥phits¥lecture¥exercise¥range |
| 13:30 - 15:00 | Review Exercise 2 (melt snowman by proton beam!)<br>¥phits¥lecture¥exercise¥snowman                     |
| 15:00 - 16:00 | Post-course free Q&A  |

13th Oct. (Tue)

- |               |  |
|---------------|--|
| 11:00 - 12:30 | Advanced Lecture 1 (definition of sources with energy distribution)<br>¥phits¥lecture¥advanced¥sourceA |
| 12:30         | Group photo  |
| 12:30 - 14:00 | Advanced Lecture 2 (Counter, Transform, Magnetic field)<br>¥phits¥lecture¥advanced¥options             |
| 14:00 - 15:00 | Advanced Lecture 3 (Variance reduction)<br>¥phits¥lecture¥advanced¥variance-reduction                  |
| 15:00 - 15:30 | Post-course free Q&A   |

14th Oct. (Wed)

- |               |   |
|---------------|---|
| 11:00 - 13:00 | Advanced Lecture 6 (Variance reduction) continued<br>¥phits¥lecture¥advanced¥variance-reduction |
|---------------|---|



# Advanced Course Schedule (Time: Japan Standard Time)

Date : 27th-31st Oct. 2026. JST 20:00-24:00 every day.

(Short breaks: 21:00-21:10, 22:00-22:10, 23:00-23:10)

12th Oct. (Mon)

- 20:00 - 20:20 PHITS installation and checkup
- 20:20 - 21:00 Opening and overview of recent PHITS updates
- 21:00 - 22:30 Review Exercise 1 (stop  $\alpha$ ,  $\beta$ ,  $\gamma$ -rays & neutron)  
¥phits¥lecture¥exercise¥range
- 22:30 - 24:00 Review Exercise 2 (melt snowman by proton beam!)  
¥phits¥lecture¥exercise¥snowman
- 24:00 - 25:00 Post-course free Q&A

13th Oct. (Tue)

- 20:00 - 21:30 Advanced Lecture 1 (definition of sources with energy distribution)  
¥phits¥lecture¥advanced¥sourceA
- 21:30 Group photo
- 21:30 - 23:00 Advanced Lecture 2 (Counter, Transform, Magnetic field)  
¥phits¥lecture¥advanced¥options
- 23:00 - 24:00 Advanced Lecture 3 (Variance reduction)  
¥phits¥lecture¥advanced¥variance-reduction
- 24:00 - 24:30 Post-course free Q&A

14th Oct. (Wed)

- 20:00 - 22:00 Advanced Lecture 6 (Variance reduction) continued  
¥phits¥lecture¥advanced¥variance-reduction
- 22:00 - 24:00 Advanced Lecture 7 (DCHAIN-PHITS)  
¥phits¥lecture¥advanced¥DCHAIN1
- 24:00 - 24:30 Post-course free Q&A

15th Oct. (Thu)

- 20:00 - 21:30 Advanced Lecture 8 (Use of particle dump)  
¥phits¥lecture¥advanced¥SourceB
- 21:30 - 24:00 Parallel Tracks 1 (participants can take one of them)  
Advanced Lecture 10-1 (Accelerator and Shielding Design)  
¥phits¥lecture¥advanced¥shielding

	Advanced Lecture 10-2 (Track Structure)
	¥phits¥lecture¥advanced¥TrackStructure
	Advanced Lecture 10-3 (X-ray therapy)
	¥phits¥lecture¥therapy¥XrayTherapy
24:00 - 24:30	Post-course free Q&A
16st Oct. (Fri)	
20:00 - 22:00	Parallel Tracks 2 (participants can take one of them)
	Advanced Lecture 11-1 (Detector simulation exercise)
	¥phits¥advanced¥detector
	Advanced Lecture 11-2 (Cosmic rays)
	¥phits¥lecture¥advanced¥CosmicRay
	Advanced Lecture 11-3 (Medical data treatment)
	¥phits¥utility¥RTphits
22:00 - 24:00	Advanced Lecture 12 (automated run using script files)
	¥phits¥utility¥script¥instruction
24:00 - 24:10	Closing session
24:10 - 24:30	Post-course free Q&A