Dear colleagues,

It is our great pleasure to inform you that following PHITS international online tutorials will be held.
1, Beginners' course, 23rd-27th Jun. 2025.
2, Advanced course, 27th-31st Oct. 2025.
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.

In order to participate to 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
Access to https://phits.jaea.go.jp/contact/edit/en
Select "PHITS tutorial registration" in "Category" pull-down menu.
Fill out the form and send it.
If you wish to participate to 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 (i.e. you do not receive an automatic reply), please send the registration information to 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 instruction 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/contact/edit/en   selecting "Submission of license application form" category.

If the webform does not work, please send the format to 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-en-tutorial@jaea.go.jp later.

PHITS office

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

Beginners' Course Schedule

(Time: Coordinated Universal Time)

Date : 23rd-27th Jun. 2025. UTC 11:00-14:00 (Short breaks: 12:00-12:10, 13:00-13:10)
Registration deadline for new users: 19th May. 2025
Registration deadline for current users: 16th Jun. 2025

23rd Jun.（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

24th Jun.（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

25th Jun.（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

26th Jun.（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

27th Jun.（Fri）
  11:00 - 12:20   Exercise (stop α, β, γ-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 : 23rd-27th Jun. 2025. (Short breaks: 21:00-21:10, 22:00-22:10)

23rd Jun.（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

24th Jun.（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

25th Jun.（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

26th Jun.（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

27th Jun.（Fri）

  20:00 - 21:20   Exercise (stop α, β, γ-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：27th-31st Oct. 2025. 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: 22nd Sep. 2025

Registration deadline for current users: 20th Oct. 2025

27th Oct.（Mon）
10:30 - 11:00	PHITS installation and checkup
11:00 - 12:00	Opening and overview of recent PHITS updates
12:00 - 13:30	Review Exercise 1 (stop α, β, γ-rays & neutron)
	¥phits¥lecture¥exercise¥range
13:30 - 15:00	Review Exercise 2 (melt snowman by proton beam!)
	¥phits¥lecture¥exercise¥snowman
15:00 - 16:00	Post-course free Q&A

28th Oct.（Tue）
11:00 - 12:30	Advanced Lecture 1 (definition of sources with energy distribution)
	¥phits¥lecture¥advanced¥sourceA
12:30	Group photo
12:30 - 14:00	Advanced Lecture 2 (Counter, Transform, Magnetic field)
	¥phits¥lecture¥advanced¥options
14:00 - 15:00	Advanced Lecture 3 (Variance reduction)
	¥phits¥lecture¥advanced¥WeightA
15:00 - 15:30	Post-course free Q&A

29th Oct.（Wed）
11:00 - 13:00	Advanced Lecture 6 (Variance reduction) continued
	¥phits¥lecture¥advanced¥WeightB
13:00 - 15:00	Advanced Lecture 7 (Radioactive inventory calculation)
	¥phits¥lecture¥advanced¥DCHAIN
15:00 - 15:30	Post-course free Q&A

30th Oct.（Thu）

  11:00 - 12:30   Advanced Lecture 8 (Use of particle dump)
                  ¥phits¥lecture¥advanced¥SourceB

  12:30 - 15:00   Optional lectures 1 (participants can take one of them)
              Advanced Lecture 10-1 (Accelerator and Shielding Design)
                      ¥phits¥lecture¥advanced¥shielding
              Advanced Lecture 10-2 (BNCT)
                      ¥phits¥lecture¥therapy¥BNCT
              Advanced Lecture 10-3 (X-ray therapy)
                      ¥phits¥lecture¥therapy¥XrayTherapy

  15:00 - 15:30   Post-course free Q&A

31st Oct.（Fri）

  11:00 - 13:00   Optional lectures 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

  13:00 - 15:00   Advanced Lecture 12 (automated run using script files)
                ¥phits¥utility¥script¥instruction

  15:00 - 15:10   Closing session

  15:10 - 15:30   Post-course free Q&A

Advanced Course Schedule (Time: Japan Standard Time)

Date : 27th-31st Oct. 2025. JST 20:00-24:00 every day.
 (Short breaks: 21:00-21:10, 22:00-22:10, 23:00-23:10)

27th Oct.（Mon）
  19:30 - 20:00   PHITS installation and checkup
  20:00 - 21:00   Opening and overview of recent PHITS updates
  21:00 - 22:30   Review Exercise 1 (stop α, β, γ-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

28th 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 1)
                        ¥phits¥lecture¥advanced¥WeightA
  24:00 - 24:30   Post-course free Q&A

29th Oct.（Wed）
  20:00 - 22:00   Advanced Lecture 6 (Variance reduction 2)
                        ¥phits¥lecture¥advanced¥WeightB
  22:00 - 24:00   Advanced Lecture 7 (DCHAIN-PHITS)
                        ¥phits¥lecture¥advanced¥DCHAIN1
  24:00 - 24:30   Post-course free Q&A

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

Advanced Lecture 10-2 (BNCT)
¥phits¥lecture¥therapy¥BNCT
Advanced Lecture 10-3 (X-ray therapy)
¥phits¥lecture¥therapy¥XrayTherapy
24:00 - 24:30   Post-course free Q&A

31st Oct.（Fri）
20:00 - 22:00   Optional lectures 2 (participants can take one of them)
Advanced Lecture 11-1 (Cosmic rays)
¥phits¥lecture¥advanced¥CosmicRay
Advanced Lecture 11-2 (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