



PHITS in-person tutorial in Tunisia

CNSTN – Tunisia

Course date: 27th – 30th April. 2026

Local organizer: Dr. Leila Ounalli (CNSTN)

Tutor: Dr. Tatsuhiko Ogawa (JAEA)

Registration deadline: February 28th 2026 (non-users)

April 4th 2026 (licensed users)

Venue: National Center for Nuclear Sciences and Technology, Tunisia

Eligibility for participation: Graduate students, researchers, and professionals in nuclear sciences and techniques

Registration Fee: 290 DT (students: Free) – includes coffee breaks, and meals

Link for registration: <https://phits.jaea.go.jp/News.html#news0077>

Language: English + supplementary French

Course content: Beginner + Advanced (geometry setup, source definition, tally, parameter setting, exercises, advanced applications)

AGENDA

Time	Topic	Presenter
Day 1 – 27th April (Monday)		
08:00 - 09:00	Registrations of the participants	
09:00 - 09:30	Opening session <ul style="list-style-type: none"> ▪ Welcome speech (Host) ▪ Welcome speech (JAEA – Tutor) ▪ Participant self-introduction ▪ Logistical information(Host Organization) 	CNSTN Tatsuhiko Ogawa
09:30 - 10:15	Introduction and Installation	Tutors/All
	Coffee break	
10:30 - 12:00	Basic Lecture (input format)	Tutors/All
	Lunch break	
13:30 - 14:45	Basic Lecture (geometry & source definition)	Tutors/All
	Coffee break	



Time	Topic	Presenter
15:00 - 17:00	Basic Lecture (tally definition)	Tutors/All
17:00 - 18:00	File conversion from FLUKA to PHITS Part I (This part depends on progress of Flair development)	Tutors
18:00 -	Free discussion with tutors	All
Day 2 – 28th April (Tuesday)		
09:00 - 10:15	Basic Lecture (parameter setting)	Tutors/All
	Coffee break	
10:30 - 12:00	Basic Lecture (parameter setting) continued	Tutors/All
	Lunch break	
13:30 - 14:30	Exercise (Medical CT scanner) \\phits\utility\Rtphits\phits-lec-RTphits-GUI-en.pptx	Tutors/All
	Coffee break	
14:15 - 15:45	Advanced Lecture (advanced source definition A)	Tutors/All
	Coffee break	
16:00 - 17:00	Advanced Lecture (advanced source definition B)	Tutors/All
17:00 -	Free discussion with tutors	All
Day 3 – 29th April (Wednesday)		
9:00 - 10:15	Exercise (Gamma detector simulation) \\phits\lecture\advanced\Detector (first half)	Tutors/All
	Coffee break	
10:30 - 11:00	Advanced Lecture (Transform, Magnetic field, Multiplier, Counter, Timer)	Tutors/All
11:00 - 12:00	Exercise (stop α , β , γ -rays & neutron)	Tutors/All
	Lunch break	
13:30 - 15:15	Advanced Lecture (Transform, Magnetic field, Multiplier, Counter, Timer) continued	Tutors/All
	Coffee break	
15:30 - 17:00	Topical Lecture (Linear Accelerator) \\phits\lecture\therapy\XrayTherapy	Tutors/All
17:00 -	Free discussion with tutors	All
Day 4 – 30th April (Thursday)		
9:00 - 10:15	Advanced Lecture (variance reduction)	Tutors/All
	Coffee break	
10:30 - 12:00	Advanced Lecture (variance reduction) continued	Tutors/All
	Lunch break	
13:30 - 15:15	Advanced Lecture (Practical shielding simulation)	Tutors/All
	Coffee break	
15:30 - 16:30	Wrap-up session Open discussion on the future of PHITS and its community in Tunisia and in the Region	Tutors/All
	Coffee break	
16:30 - 17:30	Closing of the Tutorial <ul style="list-style-type: none"> ▪ Closing speech (Host) ▪ Closing speech (JAEA) Certificate award	CNSTN PHITS Tutor
17:30 – 18:00	Free discussion with tutors	All