PHITS Advanced Course

13-17 May 2024, NEA, Paris

Monday, 13	9:30-10:15	Introduction and Installation
		Coffee break
	10:30-12:00	Basic Lecture (input format)
	12:00-13:30	Lunch break
	13:30-14:45	Basic Lecture (geometry & source definition)
		Coffee break
	15:00-17:00	Basic Lecture (tally definition)
	17:00-18:00	Mini workshop (Presentation from participants)
	19:00	**Social Dinner**
Tuesday, 14	9:00-10:15	Basic Lecture (parameter setting)
		Coffee break
	10:30-12:00	Basic Lecture (parameter setting continued)
	12:00-13:30	Lunch break
	13:30-15:00	Advanced Lecture (advanced source definition)
		Coffee break
	15:15-16:15	Exercise (stop α, β, γ-rays & neutron)
	16:15-17:00	Advanced Lecture (Transform, Magnetic field, Multiplier, Counter)
Wednesday, 15	9:00-09:30	Advanced Lecture (Transform, Magnetic field, Multiplier, Counter) continued
	9:30-10:30	Advanced Lecture (variance reduction by Importance, Forced collisions)
		Coffee break
	10:45-12:00	Exercise (melt snowman by proton beam!)
	12:00-13:30	Lunch break
	13:30-14:45	Advanced Lecture (variance reduction by Weight window)
		Coffee break
	15:30-17:00	Individual hands-on exercises
	17:00-18:00	Mini workshop (Presentation from participants)
Thursday, 16	9:00-10:15	Advanced Lecture (induced radioactivity calculation with DCHAIN)
		Coffee break
	10:30-12:00	Advanced Lecture (shielding calculation)
	12:00-13:30	Lunch break
	13:30-15:15	Advanced Lecture (automated run using script files)
		Coffee break
	15:30-17:00	Individual hands-on exercises
	17:00-18:00	Mini workshop (Presentation from participants)
Friday, 17	9:00-10:15	Advanced Lecture (Cosmic rays)
		Coffee break
	10:30-12:00	Advanced Lecture (Medical data treatment with RT-PHITS)
	12:00-13:30	Lunch break
	13:30-15:15	Individual hands-on exercises
		Coffee break
	15:30-16:30	Individual hands-on exercises
	16:30-17:00	Wrap-up session –Open discussion on the future of PHITS and its community