Hardware camp for Fast and Low-light Detection

Mar 2 - 8, 2025

W10	Mar 2, 2025	Mon 3	Tue 4	Wed 5	Thu 6	6
6am						
7am						
		7:30am ♀ Bus from hotel to ICISE	7:30am (c) Bus from hotel to ICISE	7:30am $Oilde \phi$ Bus from hotel to ICISE	7:30am ¢ Bus from hotel to ICISE	7:30am
8am		8am Welcome address by ICISE 8:15am Welcome address by Prof. Oyama (Prof. Yuichi Oyama (KEK)) 8:45am Logistics/safety (Son Cao	8am 🗇 Introduction to basic electronics/ Simulation (Son Cao & Sang Truong (IFIRSE))	8am PET as MPPC application, (Dr. John Paul Cesar, The Univ. of Texas at Austin)	8am Super-Kamiokande Triggering System (Guillaume Pronost (ICRR, Univ. of Tokyo))	8am Fa (Fermi
9am		9:15am ☐ Students' self-intro	9:15am Short break 9:30am Introduction to cosmic ray (Atsumu Suzuki (Kobe Univ.))	9am 🗘 Short break 9:15am 🗇 GEANT4 introduction and tutorial (Nam Tran (Boston Univ.))	9am ⊉ Short break 9:15am ⊡ FPGA and tutorial (2) (Michael Holik (Czech Technicak Univ.))	9am Ti (Czecł
10am			10am Cosmic ray muon and muon radiography (Yuichi Oyama (KEK))			10am S 10:15ar
11am		10:30am Elementary particle and photons (Hong Van (IOP, VAST))	10:30am Electronics for cosmic ray muon detection (Yuichi Oyama (KEK))			
			11:30am Guidance for presentation (Yuichi Oyama, KEK)	11:15am Tracking and calorimetry detectors ((Son Cao, IFIRSE))		
12pm		12pm \oplus Lunch break	12pm 🗘 Lunch break	12pm 🗘 Lunch break	12pm 🗘 Lunch break	12pm (
1pm						
2pm 2pm Check-	in hotel	1:30pm Introduction to photodetectors (Son Cao (IFIRSE))	1:30pm SiPM/PMT Hands-on Act #2	1:30pm 🗇 FPGA tutorials (1) (Michael Holik (Czech Tech. Univ.))	1:30pm 🗇 FPGA tutorials (3) (Michael Holik (Czech Tech. Univ.))	1:30pm tutoria
		2:30pm () Short break 2:45pm SiPM/PMT Hands-on Act #1				
3pm			- - - -	3pm Short break 3:15pm SiPM/PMT Hands-on Act. #3	3pm Short break 3:15pm SiPM/PMT Hands-on Act. #4	3pm S 3:15pm
4pm			4pm Short break 4:15pm Photon detection from Quantum view (Chau Nguyen (Univ. of Siegen))			н н н н н
5pm						
6pm						

Fri 7	Sat 8
Im \mathcal{O} Bus from hotel to ICISE	7:30am (c) Bus from hotel to ICISE
Fast machine learning (Nhan Tran milab))	8am 🗇 Timepix demonstration (Michael Holik (Czech Technicak Univ.))
Timepix introduction (Michael Holik ch Technicak Univ.))	
Short break	10am Short break
iam SiPM/PMT Hands-on Act #5	10:15am ြ Group's report preparation
n 🗘 Lunch break	12pm Lunch break
	1pm 🗇 Student groups' presentation
om 🗇 Fast machine learning: ial (Duc Hoang (MIT/CERN))	2:30pm 🗇 Conclusion
Short break	
om SiPM/PMT Hands-on Act. #6	