

TIMETABLE · 12–15 October 2026

Time	MONDAY 12 Oct 2026	TUESDAY 13 Oct 2026	WEDNESDAY 14 Oct 2026	THURSDAY 15 Oct 2026
09:30	Welcome and introduction			
09:45		Welcome and introduction	Welcome and introduction	Welcome and introduction
10:00	Laser technology I: Basics of ultrashort pulses and propagation (Jolly)	Laser technology II: Complex pulse shaping and metrology (Jolly)	Nuclear structure and gamma spectroscopy I (Regan)	EM transition rates and nuclear lifetimes II (Regan)
10:30			Advances in theoretical studies of electron capture (Sevestrean)	Nuclear transitions assisted by high-power lasers (Yang)
11:00				
11:30	Coffee break	Coffee break	Coffee break	Coffee break
12:00	Laser-plasma applications I: Radioisotope production for medical applications (Alejo)	Laser-plasma applications II: Experiments on neutron generation (Alejo)	Nuclear structure and gamma spectroscopy II (Regan)	Laser-plasma applications III: Nuclear activation beyond the Giant Dipole Resonance (Alejo)
12:30				
13:00	Lunch	Lunch	Lunch	Lunch
13:30				
14:00	The Particle-in-Cell (PIC) method for laser-plasma interactions I (Perez)	The Particle-in-Cell (PIC) method for laser-plasma interactions II (Perez)	Discussion sessions with students	Scientific career advice discussion with Prof. Regan
14:30				
15:00	Electron acceleration and photon production in near-critical density and double-layer targets (Dreghici)	Plasma-based inverse Compton gamma sources at multi-PW laser intensities (Horný)	EM transition rates and nuclear lifetimes I (Regan)	Laser-plasma experiments relevant to kinetic modeling (Perez)
15:30	Coffee and poster session	Coffee break and free time		
16:00			Closing remarks and farewell	
16:30				
17:00				