

Summer School 2017

Time	Monday 14/8	Tuesday 15/8	Wednesday 16/8	Thursday 17/8	Friday 18/8	Saturday 19/8	Sunday 20/8	Monday 21/8	Tuesday 22/8
	Introduction	Accelerator Physics	Components. Beam diagnostics	Magnets. Cyclotrons. Vacuum	Synchrotron radiation. Proton acc. Particle physics			New techniques	Presentation of projects
8:45-9:40	Welcome A. Karlsson Introduction to Synchrotron Light Sources Sverker Werin E1406	Accelerator Physics&tools Sverker Werin E1406	High power proton accelerators Mamad E1406	Magnet Technology Franz Bødker E1406	Accelerator Technologies Christine Darve E1406		Projects	Accelerator Technologies Christine Darve E1406	Presentation E1406
9:45-10:30	Introduction to accelerator physics Francesca Curbis E1406	Accelerator Physics&tools Sverker Werin E1406	High power proton accelerators Mamad E1406	Magnet Technology Franz Bødker E1406	Prod of Synchrotron radiation Pedro Tavares E1406			Applications to Particle Physics Erik Adli E1406	Presentation E1406
10:30	Coffee								
10:45-11:40	Introduction to accelerator physics Francesca Curbis E1406	RF-system Anders Karlsson E1406	Beam Diagnostics Maja Olvegård E1406	Cyclotrons Pauli Heikkinen E1406	Medical applications Lars Præstegaard E1406			Pushing the frontiers Erik Adli Room: EB	Presentation E1406
11:45-12:30	Introduction to spallation sources Mats Lindroos E1406	RF-system Anders Karlsson E1406	Beam Diagnostics Maja Olvegård E1406	Vacuum techniques Pauli Heikkinen E1406	Medical applications Lars Præstegaard E1406	BBQ in stadsparken		Laser acceleration Olle Lundh Room: EB	Presentation. E1406 Followed by lunch at 13.00
14:00	Exercise: Acc. Phys. E2311	Exercise: Computer simulations E4115, E4116, E4118	Visit to MAX IV and ESS	Exercise: Beam diagn E2311	Exercise: RF E2517			Projects E4115, E4116	
15:00-15:45	Exercise: Acc. Phys. E2311	Exercise: Computer simulations E4115, E4116, E4118	Visit to MAX IV and ESS	Exercise: Beam diag E2311	Exercise: RF E2517	BBQ in stadsparken		Projects E4115, E4116	
15:45	fruit								
16:00-17:00	Exercise: Acc. Phys. Instructions for projects E2311	Exercise: Computer simulations Choose projects E4115, E4116, E4118	Visit to MAX IV and ESS	Projects E2311	Projects E2517			Projects E4115, E4116	
	Welcome event	Dinner and Tour of Lund							