

Program for the CAS@ESI - Basics of Accelerator Physics and Technology - Archamps, October 2019					
	Mon 7	Tue 8	Wed 9	Thu 10	Fri 11
08:30	Coffee				
09:00	Accelerators for Beginners and the CERN Complex R. Steerenberg	Transverse Beam Dynamics I B. Holzer	Longitudinal Beam Dynamics II F. Tecker	Injection, Extraction and Beam Transfer F. Velotti	Vacuum Systems V. Baglin
10:00	Pause				
10:15	Basic Mathematics and Units R. Steerenberg	Longitudinal Beam Dynamics I F. Tecker	Beam Instrumentation H. Schmickler	AWAKE E. Gschwendtner	Collective effects K.Li
11:15	Coffee				
11:45	Electromagnetic Theory A. Latina	Standard Model and Beyond P. Sphicas	Transverse Beam Dynamics III B. Holzer	Kickers, Septa and Protection Elements F. Velotti	Luminosity and Beam-Beam at the LHC T. Pieloni
12:45	Lunch				
14:00	Relativity A. Latina	Transverse Beam Dynamics II B. Holzer	Linacs A. Lombardi	Discussion	CLIC H. Schmickler
15:00	Particle Sources D. Kuechler	Discussion	Discussion	Cryogenics S. Claudet	LHC upgrades and Future Circular Colliders M. Benedikt
16:00	Coffee				
16:30	Normal conducting & permanent Magnets T. Zickler	RF Systems F. Tecker	Linear Imperfections J. Wenninger	Superconducting Magnets D. Schoerling	Discussion
17:30					
Chair	Hermann	Hermann	Hermann	Hermann	Hermann
Reserve	Frank	Frank	Frank	Frank	Frank