

Programme 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	Transverse Beam Dynamics I	Longitudinal Beam Dynamics II	Injection, Extraction and Beam Transfer	Vacuum Systems
	R. Steerenberg	B. Holzer	F. Tecker	F. Velotti	V. Baglin
10:00	Pause				
10:15	Basic Mathematics and Units	Longitudinal Beam Dynamics I	Collective effects	AWAKE	Linear Imperfections
	R. Steerenberg	F. Tecker	G.Iadarola/H.Bartosi k	E. Gschwendtner	J. Wenninger
11:15	Coffee				
11:45	Electromagnetic Theory	Standard Model and Beyond	Transverse Beam Dynamics III	Kickers, Septa and Protection Elements	Luminosity and Beam-Beam at the LHC
	A. Latina	P. Sphicas	B. Holzer	F. Velotti	T. Pieloni
12:45	Lunch				
14:00	Relativity	Transverse Beam Dynamics II	Beam Instrumentation	Discussion	CLIC
	A. Latina	B. Holzer	H. Schmickler		H. Schmickler
15:00	Particle Sources	Discussion	Discussion	Cryogenics	LHC upgrades and Future Circular Colliders
	R.Scrivens			T. Koettig	M. Benedikt
16:00	Coffee				
16:30	Normal conducting & permanent Magnets	RF Systems	Linacs	Superconducting Magnets	Discussion
	T. Zickler	F. Tecker	A. Lombardi	D. Schoerling	
17:30					
Chair	Hermann	Frank	Hermann	Yannis	Hermann