

Program for the 2022 CAS - Advanced Accelerator Physics - Sévrier, France

	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri			
	06/11	07/11	08/11	09/11	10/11	11/11	12/11	13/11	14/11	15/11	16/11	17/11	18/11			
08:30	Arrival day and registration	Opening	Lattice Cells	Recap Longitudinal Beam Dynamics I	Instabilities in Linacs	Recap Synchrotron Radiation	Beam Instabilities - Transverse	Excursion Annexe	Optics calculations	Landau Damping I	Free	HL-LHC I	Departure day			
		Tecker	Sterbini	Tecker	Ferrario	Wolski	Li		Sterbini	Buffat		Zerlauth				
09:30		Recap Transverse Beam Dynamics I	Accelerator issues overview	Space charge in linear machines	Collimation	Wakefields and Impedances	Insertion devices - Radiation		ERL I	Non Linear Dynamics - Methods and Tools I		HL-LHC II				
		Schmickler	Tecker	Ferrario	Redaelli	Rumolo	Clarke		Arnold	Papaphilippou		Brüning				
10:30		Coffee							Coffee			Coffee				
11:00		Intro to RF measurement techniques I	Intro to RF measurement techniques II	Recap Longitudinal Beam Dynamics II	Overview of Wakefield Acceleration	Low emittance lattices	Electron Cloud and instabilities		FEL I	Muon Colliders I		Non Linear Dynamics - Phenomenology II				
		Wendt	Wendt	Tecker	Ferrario	Wolski	Li		Hillert	Rogers		Papaphilippou				
12:00		Intro to Beam Instrumentation and Diagnostics I	Intro to Beam Instrumentation and Diagnostics II	Space charge in circular machines	Collimation + technical implementation	Beam Instabilities - Longitudinal	Discussion on Instabilities		ERL II	Landau Damping II		Discussion on Non Linear Dynamics				
		Jones	Jones	Ferrario	Redaelli	Rumolo	Rumolo/Li		Arnold	Buffat		Papaphilippou				
13:00		Lunch														
14:30		Recap Transverse Beam Dynamics II	Insertions & Dispersion Suppressors	Beam loading		RF Feedbacks	Insertion devices - Technology		Murder party	FEL II		Muon Colliders II		Non Linear Dynamics Methods and Tools II	Longitudinal beam diagnostics	
		Schmickler	Sterbini	Damerau		Damerau	Clarke			Hillert		Rogers		Papaphilippou	Lefevre	
15:30		Intro to Optics Design	C1/C2/C3	C1/C2/C3	RF	C1/C2/C3	C1/C2/C3			C1/C2/C3		BI/Optics		Beam-Beam effects	RF show	
		Sterbini												Buffat		
16:30	Coffee				Coffee			Coffee								
17:00	151M										Non Linear Dynamics - Phenomenology I	Closing				
18:00		C1/C2/C3	C1/C2/C3	RF	C1/C2/C3	C1/C2/C3	C1/C2/C3	BI/Optics		Papaphilippou	Tecker					
18:30	Welcome Drink									High Brightness Beam Diagnostics						
19:00			18:30 Seminar							Lefevre						
19:30					Dinner						Gala Dinner					