

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 Annex	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	Free	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		C1/C2/C3	C1/C2/C3			C1/C2/C3		C1/C2/C3		C1/C2/C3	Beam-Beam effects	RF show				
		Sterbini												Buffat						
16:30	Coffee						Coffee			Coffee										
17:00	151M	C1/C2/C3	C1/C2/C3			C1/C2/C3	C1/C2/C3			C1/C2/C3	C1/C2/C3	Non Linear Dynamics - Phenomenology I	Closing							
18:00																			Papaphilippou	Tecker
18:30	Welcome Drink																		High Brightness Beam Diagnostics	
19:00			18:30 Seminar									Lefevre								
19:30	Dinner									21:00 Cinema evening	Gala Dinner									