

INTERMEDIATE ACCELERATOR PHYSICS COURSE – Greece 2011

Time	Monday 19 September	Tuesday 20 September	Wednesday 21 September	Thursday 22 September	Friday 23 September	Saturday 24 September	Sunday 25 September	Monday 26 September	Tuesday 27 September	Wednesday 28 September	Thursday 29 September	Friday 30 September								
09:00	Opening Talk	Recap. Transverse Dynamics II	New Tools for Non- Linear Dynamics I	New Tools for Non- Linear Dynamics II	Non-Linear Dynamics II	Low Emittance Machines III	E X C U R S I O N	Instabilities in Linacs	Beam-Beam Effects	Beam Cooling	Timing and Synchronisation	Departure after breakfast								
10:00		B. Holzer	W. Herr	W. Herr	O. Bruning	A. Wolski		M. Ferrario	W. Herr	M. Steck	F. Loehl									
10:00	Recap. Transverse Dynamics I	Introduction to Beam Diagnostics	Linear Accelerators	Linear Colliders	Sources of Emittance Growth (Hadrons)	Landau Damping I		Beam Instabilities I	Insertion Devices	High Brilliance Beam Diagnostics	Controls									
11:00	B. Holzer	H. Schmickler	M. Vretenar	F. Tecker	M. Giovannozzi	L. Palumbo		G. Rumolo	M. Tischer	A. Cianchi	H. Schmickler									
	C O F F E E							C O F F E E												
11:30	Recap. Longitudinal Dynamics I	RF Cavity Design	RFQ	Non-Linear Dynamics I	Space Charge	Landau Damping II		Beam Instabilities II	FELs	High Field Magnets	Machine Protection & Collimation									
12:30	F. Tecker	E. Jensen	M. Vretenar	O. Bruning	M. Ferrario	L. Palumbo		G. Rumolo	S. Reiche	G. De Rijk	R. Schmidt									
12:30	Introduction to Beam Instrumentation	Insertions	GS1 Longitudinal Dynamics	T1 Longitudinal Dynamics	Low Emittance Machines I	T2 Transverse Dynamics		GS3 Non-Linear Dynamics	T3 Non-Linear Dynamics	GS4 Low Emittance Machines	T4 Low Emittance Machines									
13:30	R. Jones	B. Holzer			A. Wolski															
	L U N C H							L U N C H												
15:00	Lattice Cells	C1	C1	F	Low Emittance Machines II	C1		I O N	C1	C1	F	C1								
16:00	B. Holzer				C2								C2	R	A. Wolski	C2	C2	C2	R	C2
16:00	RF Basic Concepts						C3								C3					
17:00	F. Caspers				H. Schmickler															
	T E A				T E A				T E A			T E A								
17:30	Recap. Longitudinal Dynamics II	C1	C1	E	Feedback Systems II	Poster Session	E E		Seminar 1 Particle Beams for Fixed Target Experiments I. Efthymiopoulos	Seminar 2 Muon Colliders & Neutrino Factories K. Long	E	Overview of Future Accelerators								
18:30	F. Tecker				C2	C2						E	H. Schmickler		R. Heuer 18:30	19:30 Aperitif 21:00 Special	Dinner	DINNER	K. Peach	
18:30									GS2 Transverse Dynamics											
19:30	Welcome Drink																			
20:00	D I N N E R																			

Course 1 = "RF Measurements Techniques"

Course 2 = "Beam Instrumentation and Diagnostics"

Course 3 = "Optics Design and Corrections"