

INTERMEDIATE ACCELERATOR PHYSICS COURSE  
Trieste, 2-14 October 2005

Time	Monday 3 October	Tuesday 4 October	Wednesday 5 October	Thursday 6 October	Friday 7 October	Saturday 8 October	Sunday 9 October	Monday 10 October	Tuesday 11 October	Wednesday 12 October	Thursday 13 October	Friday 14 October
08:30	Opening Talk  C. Rizzuto A. Franciosi K. Sreenivasan	Recap. Transverse Dynamics II	Linear Imperfections & Coupling	Non-Linear Imperfections	Landau Damping I	Landau Damping II		Instabilities in Linacs	Longitudinal Instabilities	Transverse Instabilities	Basic Comp. of Control Systems	Buses to Airport
09:30		B. Holzer	O. Bruning	O. Bruning	A. Hofmann	A. Hofmann		M. Ferrario	L. Palumbo	A. Hofmann	H. Schmickler	
09:30	Recap. Transverse Dynamics I	Insertions	T1 Longitudinal Dynamics	GS2 Transverse Dynamics	T2 Transverse Dynamics	T3 Optics- Imperfections	E	Dynamics with Radiation	Insertion Devices	T4 Longitudinal Instabilities	T5 Instabilities	
10:30	B. Holzer	B. Holzer					X	L. Rivkin	P. Elleaume			
<b>C O F F E E</b>								<b>C O F F E E</b>				
11:00	Recap. Longitudinal Dynamics I	Introduction to Beam Diagnostics	Warm Magnets	Sources of Emittance Growth (Hadrons)	Intro. to Feedback Systems	Space Charge		Emittance Preservation (Electrons)	FELs	Beam-Beam Effects	Particle Sources	
12:00	J. Le Duff	H. Schmickler	N. Marks	M. Giovannozzi	D. Bulfone	M. Ferrario	C	N. Walker	R. Bakker	W. Herr	L. Serafini	
12:00	Introduction to Beam Instrumentation	Acceleration Techniques II	Cold (SC) Magnets	Intro. to Beam Instabilities	Power Converters	Poster Session		Lattices for Light Sources	Concept of Luminosity	GS5 Transverse Instabilities	Overview of Future Accelerators	
13:00	R. Jones	J. Le Duff	S. Russenschuck	A. Hofmann	N. Marks		U	A. Nadji	W. Herr		K. Peach	
<b>L U N C H</b>								<b>L U N C H</b>				
14:30	Lattice Cells											
		<b>C1</b>	<b>V</b>	<b>C1</b>	<b>C1</b>	<b>F</b>		<b>C1</b>	<b>C1</b>	<b>V</b>	<b>C1</b>	
15:30	B. Holzer						S					
15:30	Acceleration Techniques I	<b>C2</b>	<b>I</b>	<b>C2</b>	<b>C2</b>	<b>R</b>		<b>C2</b>	<b>C2</b>	<b>I</b>	<b>C2</b>	
16:30	J. Le Duff	<b>C3</b>	<b>S</b>	<b>C3</b>	<b>C3</b>	<b>E</b>		<b>C3</b>	<b>C3</b>	<b>S</b>	<b>C3</b>	
<b>T E A</b>				<b>T E A</b>				<b>T E A</b>				
17:00	Recap. Longitudinal Dynamics II	GS1 Longitudinal Dynamics			<b>Seminar</b> Presentation of ICTP	GS3 Optics – Imperfections		<b>Seminar</b> Synchrotron Light Applications G. Paolucci	GS4 Longitudinal Instability		<b>Seminar</b> Fermi@ Elettra	
18:00	J. Le Duff		<b>I</b>				O			<b>I</b>		
19:00	<b>Welcomedrink</b>		<b>T</b>		K. Sreenivasan		N			<b>T</b>		G. De Ninno
20:00	<b>D I N N E R</b>									<b>Special Dinner</b>		<b>D I N N E R</b>

Course 1 = "Acceleration Techniques"

Course 2 = "Beam Instrumentation and Diagnostics"

Course 3 = "Optics Design and Corrections"