

DRAFT PROGRAMME FOR INTRODUCTION TO ACCELERATOR PHYSICS

2 – 14 October, Budapest, Hungary

Time	Sunday 2 Oct.	Monday 3 Oct.	Tuesday 4 Oct.	Wednesday 5 Oct.	Thursday 6 Oct.	Friday 7 Oct.	Saturday 8 Oct.	Sunday 9 Oct.	Monday 10 Oct.	Tuesday 11 Oct.	Wednesday 12 Oct.	Thursday 13 Oct.	Friday 14 Oct.
08:30	A R R I V A L D A Y	Opening Talks	Particle Motion in Electro- magnetic Fields I	Cyclotrons I	Linear Imperfections	Applications of Accelerators	Non-Linear Beam Dynamics I	E X C U R S I O N	Electron Beam Dynamics I	Synchrotron Light Machines and FELs I	Synchrotron Light Machines and FELs II	Kickers, Septa and Beam Transfer	D E P A R T U R E D A Y
09:30		S. Sheehy	M. Seidel		S. Sheehy	A. Wolski	L. Rivkin		L. Rivkin	R. Ischebeck	M. Fraser		
09:45		Introduction to Accelerators	Linear Accelerators I	Transverse Linear Beam Dynamics II	Longitudinal Beam Dynamics in Circular Machines II	Luminosity and Colliders	Vacuum Technology for Particle Accelerators		Beam Instrumentation	Collective Effects II	Injection and Extraction	Secondary Beams and Targets	
10:45		R. Steerenberg	D. Alesini	B. Holzer	F. Tecker	G. Papotti	M. Grabski		E. Holzer	G. Franchetti	M. Fraser	K. Knie	
		COFFEE	COFFEE	COFFEE	COFFEE	COFFEE	COFFEE		COFFEE	COFFEE	COFFEE	COFFEE	
11:15		Electro- magnetic Theory I	Particle Motion in Electro- magnetic Fields II	Cyclotrons II	Discussion on Transverse Beam Dynamics	Discussion on Longitudinal Beam Dynamics	Tutorial 1		Electron Beam Dynamics II	Beam Losses and Machine Protection Issues	Tutorial 2	Tutorial 3	
12:15		G. Franchetti	S. Sheehy	M. Seidel					L. Rivkin	I. Strasik			
		LUNCH	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH		LUNCH	LUNCH	LUNCH	LUNCH	
13:45		Electro- magnetic Theory II	Transverse Linear Beam Dynamics I	Longitudinal Beam Dynamics in Circular Machines I	F R E E	Warm Magnets	Non-Linear Beam Dynamics II		Collective Effects I	Collective Effects III	F R E E	Sources	
14:45		G. Franchetti	B. Holzer	F. Tecker		G. de Rijk	A. Wolski		G. Franchetti	G. Franchetti		D. Faircloth	
15:00		Kinematics of Particle Beams I – Relativity	Linear Accelerators II	Transverse Linear Beam Dynamics III		Fixed Field Alternating Gradient Machines	Power Converters		Discussion on Electron Beam Dynamics	Discussion on Collective Effects		Putting It All together	
16:00		W. Herr	D. Alesini	B. Holzer		S. Sheehy	J.-P. Burnet		TEA	TEA		TEA	
16:30		Kinematics of Particle Beams II	Tutorial Explanations	RF Systems		Super- conducting Magnets	Poster Session		Beam Diagnostics	Seminar Applications of Lasers in Accelerator Science	Seminar Advanced Accelerator Concepts		
17:30		W. Herr	R. Bailey/ W. Herr	F. Tecker		G. de Rijk			E. Holzer	L. Corner		M. Ferrario	
17:45	Regis- tration	1 Slide 1 Minute									Closing Remarks		
19:30	Buffet Dinner	Dinner	Dinner	Dinner	Dinner	Dinner	Dinner	Dinner	Dinner	Dinner	Dinner	Special Dinner	