

INTERMEDIATE ACCELERATOR PHYSICS COURSE

Daresbury, 16-28 September, 2007

Time	Monday 17 September	Tuesday 18 September	Wednesday 19 September	Thursday 20 September	Friday 21 September	Saturday 22 September	Sunday 23 September	Monday 24 September	Tuesday 25 September	Wednesday 26 September	Thursday 27 September	Friday 28 September							
08:30	Opening Talk Accelerators for the Physics of the Universe J. Dainton	Recap. Transverse Dynamics II B. Holzer	Linear Imperfections & Coupling O. Bruning	Non-Linear Imperfections I O. Bruning	Longitudinal Instabilities A. Hofmann	Transverse Instabilities A. Hofmann	E	Instabilities in Linacs M. Ferrario	Landau Damping I A. Hofmann	Landau Damping II A. Hofmann	Beam-Beam Effects W. Herr	Buses to Airport							
09:30	Recap. Transverse Dynamics I B. Holzer	Introduction to Beam Diagnostics H. Schmickler	Linear Accelerators I M. Vretenar	Linear Accelerators II M. Vretenar	Space Charge M. Ferrario	Intro. to Feedback Systems S. Simrock		X	Low Emittance Machines III A. Wolski	Insertion Devices J. Clarke	Concept of Luminosity W. Herr	Beam Cooling H. Danared							
C O F F E E								C O F F E E											
11:00	Recap. Longitudinal Dynamics I J. Le Duff	RF Cavity Design E. Jensen	Power Converters N. Marks	Non-Linear Imperfections II O. Bruning	Sources of Emittance Growth (Hadrons) D. Möhl	Low Emittance Machines II A. Wolski	C	Emittance Preservation (Electrons) N. Walker	FELs R. Bakker	GS4 Instabilities	Overview of Future Accelerators K. Peach								
12:00	Introduction to Beam Instrumentation R. Jones	Insertions B. Holzer	GS1 Longitudinal Dynamics	T1 Longitudinal Dynamics	GS2 Transverse Dynamics	T2 Transverse Dynamics		U	Warm Magnets N. Marks	Cold (SC) Magnets M. Wilson	T3 Low Emittance Machines	T4 Instabilities							
L U N C H								L U N C H											
14:00	Lattice Cells B. Holzer	C1	C1	V	Low Emittance Machines I A. Wolski	C1	S	C1	C1	V I S I T D A R E S B U R Y	C1								
15:00	RF Basic Concepts											C2	C2	I	Radio - Protection	C2	C2	C2	C2
16:00	F. Caspers											C3	C3	S	M. Silari	C3	C3	C3	C3
T E A							T E A												
16:30	Recap. Longitudinal Dynamics II J. Le Duff	C1	C1	I T	Seminar The DIAMOND Light Source R. Walker	Poster Session	O	Seminar The 4 GLS Project P. Weightman	GS3 Low Emittance Machines	S E M I N A R S B U R Y	Seminar Future of Particle Accelerators S. Chattopadhyay								
17:30	Welcome drink	C2	C2					C2	C2		C2	C2	C2						
19:00		C3	C3					C3	C3		C3	C3	C3						
D I N N E R							D I N N E R												
20:00										Special Dinner		D I N N E R							

Course 1 = "RF Measurements Techniques"

Course 2 = "Beam Instrumentation and Diagnostics"

Course 3 = "Optics Design and Corrections"