

Joint International Accelerator School on Beam Loss and Accelerator Protection

November 5-14, 2014

Time	Wednesday Nov. 5	Thursday Nov. 6	Friday Nov. 7	Saturday Nov. 8	Sunday Nov. 9	Monday Nov. 10	Tuesday Nov. 11	Wednesday Nov. 12	Thursday Nov. 13	Friday Nov. 14	
8:30	A R R I V A L D A Y	Introduction to Accelerator Protection Course Rudiger Schmidt (Lecture)	Beam Material Interaction, Heating & Activation (Part I) Nikolai Mokhov (2 hrs) (Lecture)	Beam Transfer and Machine Protection Verena Kain (Lecture)	F R E E D A Y	Detection of Equipment Failures Before Beam Loss John Galambos (Lecture)	Machine Protection and Interlock Systems for LHC Rudiger Schmidt (Lecture)	Machine Protection and Operation for LHC Jorg Wenninger (Lecture)	Personnel Protection Systems Sayed Rokni (Lecture)	D E P A R T U R E D A Y	
10:00		COFFEE				COFFEE					
10:30		Beam Dynamics and Beam Losses - Circular Machines Verena Kain (Lecture)	Beam Material Interaction, Heating & Activation (Part II) Francesco Cerutti (1 hr) (Lecture)	Beam Induced Damage Mechanisms and Their Calculation (Part I) Alessandro Bertarelli (Lecture)		Controls and Machine Protection Enzo Carrone (Lecture)	Machine Protection and Interlock Systems Linear Machines Marc Ross (Lecture)	Machine Protection and Operation for Linear Machines Marc Ross (Lecture)	Medical Facilities Anthony Mascia (Lecture)		
12:00		LUNCH				LUNCH					
13:30		Beam Dynamics and Beam Losses - Linear Machines Mike Plum (Lecture)	Reliability and Availability Ferdinand Willeke (Lecture)	Beam Induced Damage Mechanisms and Their Calculation (Part II) Alessandro Bertarelli (Lecture)		Beam Instrumentation for Machine Protection Tom Shea (2 hrs) (Lecture)	Protection of Hardware: Powering Systems (PC, NC and SC Magnets) Howard Pfeffer (Lecture)	Beam Cleaning and Collimation Systems Stefano Redaelli (2 hrs) (Lecture)	Present Case Studies		
15:00		STUDY				STUDY					
17:00		High Intensity Synchrotron Radiation Effects Yusuke Suetsugu (Lecture)	Intro to Risk Management of Complex Systems John Thomas (Lecture)	Protection Related to High Power Targets Mike Plum (Lecture)		Beam Loss Monitors at LHC Bernd Dehning (1 hr) (Lecture)	Protection of Hardware: RF Systems Sang Ho Kim (Lecture)	Advanced Collimators for Future Colliders Tom Markiewicz (1 hr) (Lecture)			
18:30		Dinner, Registration and Talk	DINNER			DINNER					
20:00			Case Studies			Case Studies			Final Exam		
21:30			(Background material for the TT40 Groups)								