

# Basics of Accelerator Science and Technology at CERN

4 – 8 November, 2013

Chavannes de Bogis, VD, Switzerland

	<b>Monday 4 November</b>	<b>Tuesday 5 November</b>	<b>Wednesday 6 November</b>	<b>Thursday 7 November</b>	<b>Friday 8 November</b>
08:30	Coffee	Coffee	Coffee	Coffee	Coffee
09:00	Welcome	Transverse	Linear	Cryogenics	Collective
09:10	R. Bailey	Beam	Imperfections		Effects
09:10	Accelerators for Beginners	Dynamics I			
10:00	R. Steerenberg	B. Holzer	R. Tomas	S. Claudet	G. Rumolo
10:00	Overview of the CERN Complex	Longitudinal Beam Dynamics I	Sources	RF Systems	Luminosity at LHC
11:00	P. Collier	F. Tecker	R. Scrivens	E. Jensen	G. Papotti
	Coffee	Coffee	Coffee	Coffee	Coffee
11:30	Basic Mathematics and Units	Transverse Beam Dynamics II	Linacs	Magnets	Beam-Beam Effects at LHC
12:30	R. Steerenberg	B. Holzer	M. Vretenar	P. Fessia	T. Pieloni
	Lunch	Lunch	Lunch	Lunch	Lunch
14:00	Relativity	Longitudinal Beam Dynamics II	Injection and Extraction	Power Converters	Machine Protection
15:00	W. Herr	F. Tecker	W. Bartmann	J.-P. Burnet	J. Wenninger
15:00	Standard Model and Beyond	Transverse Beam Dynamics III	Beam Transfer	Vacuum Systems	Collimation
16:00	P. Sphicas	B. Holzer	V. Kain	V. Baglin	S. Redaelli
	Tea	Tea	Tea	Tea	Tea
16:30	E.M. Theory	Longitudinal Beam Dynamics III	Kickers and Septa	Beam Instrumentation	Exploitation of LHC and Future Circular Colliders
17:30	W. Herr	F. Tecker	M. Barnes	U. Raich	F. Bordry