	2.6.	3.6	4.6.	5.6.	6.6.	7.6.	8.6	9.6	10.6	11.6	12.6.	13.6.	14.6.	15.6
8:30	Arrival day and registration	Opening	BD Requirements Overview/Measurement Principles III	Numerical methods, mathematical background I	Numerical methods, mathematical background II	Diagnostics Examples from CTF3	Bunch Length Diagnostics II	Excursion	Diagnostics Examples from light sources	BPM systems II	Free	Collective Effects & its diagnostics I	Timing and Synchronization II	Departure day
		local speaker/ H.Schmickler	G. Kube	L. Nadolski	L. Nadolski	F.Tecker	A. Gillespie		K. Wittenburg	M.Wendt		V. Kornilov	A. Gallo	
9:30		BD Requirements Overview/Measurement Principles I	Analog Electronics I	Tune, Chromaticity & Coupling Measurements	Diagnostics examples from HE colliders	Bunch Length Diagnostics I	Application of Lasers in Beam Instrumentation		BPM systems I	Medical Applications Instrumentation & Diagnostics	Beam Loss Monitors	Timing and Synchronization I	Collective Effects & its diagnostics II	
		G. Kube	J. Bellemann	R. Jones	R.Jones	A. Gillespie	S. Gibson		M. Wendt	A. Peters	K. Wittenburg	A. Gallo	V. Kornilov	
10:30		Coffee							Coffee					
11:00		Transverse beam dynamics recap I	RF measurement techniques	Analog Electronics II	Linear Imperfections and Corrections I	Lasers (technologies & setups)	Transverse Profile Measurements I		Transverse Profile Measurements II	Analog Digital Conversion	Schottky Diagnostics	Halo diagnostics	Diagnostic Needs for Wakefield Accelerator Experiments	
		H.Schmickler	M. Wendt	J. Bellemann	J. Wenninger	S. Gibson	E. Bravin		E. Bravin	M. Gasior	P. Kowina	K. Wittenburg	A. Cianchi	
12:00		BD Requirements Overview/Measurement Principles II	Video Cameras (signal generation and transmission)	Discussion/Q&A I	Introduction to Optics (basics, components, diffraction)	Linear Imperfections and Corrections II	Discussion/Q&A II		Intensity Measurements	Emittance Measurements	Diagnostics Examples from lepton-linacs and FELs	Discussion/Q&A III	Transverse Feedbacks	
		G. Kube	B. Walasek-Hoehne	H.Schmickler	S. Gibson	J. Wenninger	H.Schmickler		A. Peters	E. Bravin	A. Cianchi	H.Schmickler	H.Schmickler	
13:00		Lunch							Lunch					
14:30		Transverse beam dynamics recap II	Block A -1	Block A- 4	Free	Block B -1	Block B- 4		Block C -1	Block C- 4	Free	Block D -1	Block D- 4	
		H.Schmickler	Course Team	Course Team		Course Team	Course Team		Course Team	Course Team		Course Team	Course Team	
15:30		Longitudinal beam dynamics recap	Block A- 2	Block A -5		Block B- 2	Block B -5		Block C- 2	Block C -5		Block D- 2	Block D -5	
		F. Tecker	Course Team	Course Team		Course Team	Course Team		Course Team	Course Team		Course Team	Course Team	
16:30		Coffee	Coffee			Coffee			Coffee			Coffee		
17:00		OneS-OneM	Block A -3	Block A- 6		Block B -3	Block B- 6		Block C -3	Block C- 6		Block D -3	Block D- 6	
		All	Course Team	Course Team		Course Team	Course Team		Course Team	Course Team		Course Team	Course Team	
18:00						How the forest breathes	Poster session			Space and Space Weather			Closing	
						M. Kulmala	Organizer			M. Palmroth				
19:30		Dinner			Dinner in Helsinki	Dinner								
21:00										Social event				