

## Program for the CAS - Beam Instrumentation - Split, Croatia, 2025

	16/11	17/11/25	18/11/25	19/11/25	20/11/25	21/11/25	22/11/25	23/11/25	24/11/25	25/11/25	26/11/25	27/11/25	28/11/25	29/11			
	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat			
08:30	Arrival day and registration	Opening F.Tecker	Time-and Frequency Domain signals I	Introduction to Optics (basics, components, diffraction)	Emittance Measurements	Analog Digital Conversion	(Short) Bunch Length Measurements I	Excursion	Analog Electronics	Schottky Diagnostics I	Free / Study time	Precise Timing and Synchronization I	Machine learning applications in BI I	Departure day			
09:00		Transverse beam dynamics recap I													H.Schmickler	S. Gibson	G. Kube
09:30			H.Schmickler	Transverse Profile Measurements I	Transverse Profile Measurements II	BPM systems II	Digital Signal Processing I		Optical detection techniques + Lasers	Beam Loss Monitors		Diagnostics in lepton-linacs and FELs	Real-time Feedback on machine parameters		Halo diagnostics		
10:00		Coffee	L.Torino	L.Torino	M. Wendt	A. Boccardi	S. Gibson		K. Wittenburg	R. Ischebeck		G. Rehm	K. Wittenburg				
10:30		Local Intro T. Sculac	Coffee						Coffee			Coffee					
11:00		Measurement Principles I	Time-and Frequency Domain signals II	Time-and Frequency Domain signals III	Intensity Measurements	Diagnostics in hadron synchrotrons and colliders	Short Bunch Length Measurements II		Diagnostics in light sources I	Diagnostics in light sources II		Precise Timing and Synchronization II	Schottky Diagnostics II				
12:00		Transverse beam dynamics recap II	RF measurement techniques	BPM systems I	Tune, Chromaticity & Coupling Measurements	Digital Signal Processing II	Discussion/Q&A I		L. Bobb	L. Bobb		F. Ludwig	P. Kowina				
13:00		Lunch							Lunch								
14:30		Measurement Principles II	Hands-on - Block I			Hands-on - Block II			Hands-on - Block III			Hands-on - Block IV			Diagnostics for FCC-ee		
15:30		G. Kube													T. Lefevre		
16:00		Longitudinal beam dynamics recap	Free / Study time			Coffee			Coffee			Coffee			Coffee		
16:30		F. Tecker													Summary/Panel Discussion		
17:00		One slide - one minute	Hands-on - Block I			Hands-on - Block II			Hands-on - Block III			Hands-on - Block IV			Closing		
18:00		ALL	Poster Session			Instrument Development - Industrial Perspective			The Future of Humanity			F. Tecker			Special Dinner		
19:30	Welcome Drink	P. Paglovec									I. Puljak						
21:00	Dinner									Social Event		Special Dinner		v1.6			