

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	Time-and Frequency Domain signals III	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	H.Schmickler	G. Kube	M. Gasior	T. Lefevre	J. Belleman	D. Alves	F. Ludwig	E. Fol						
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	Introduction to Optics (basics, components, diffraction)	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															G. Kube	H.Schmickler	S. Gibson	M. Gasior	R. Jones	T. Lefevre	L. Bobb	L. Bobb	F. Ludwig	P. Kowina					
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		Machine Protection	Diagnostic in Advanced Accelerator Experiments		Impact of collective effects on instrumentation design	Machine Learning applications in BI II																
13:00															H.Schmickler	M. Wendt	M. Wendt	R. Jones	A. Boccardi	D. Wollmann	R. Ischebeck	C. Vollinger	E. Fol						
13:00		Lunch																											
14:30		Measurement Principles II	Free / Study time	Coffee	Coffee	Coffee	Coffee		Coffee	Coffee		Coffee	Coffee		Coffee	Coffee	Coffee	Coffee											
15:30																			G. Kube	Hands-on - Block I	Hands-on - Block II	Hands-on - Block III	Hands-on - Block IV	Diagnostics for FCC-ee					
16:00		Longitudinal beam dynamics recap																	F. Tecker						Coffee	Coffee	Coffee	Coffee	Coffee
16:30																				One slide - one minute	Hands-on - Block I	Hands-on - Block II	Hands-on - Block III	Hands-on - Block IV					
17:00	ALL	Hands-on - Block I						Hands-on - Block II			Hands-on - Block III			Hands-on - Block IV					Closing										
18:00																				Welcome Drink	Poster Session	Instrument Development - Industrial Perspective	The Future of Humanity	I. Puljak	F. Tecker				
19:30	Dinner										Special Dinner																		
21:00	Social Event													Special Dinner															
	v1.5																												