

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

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	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		Opening F.Tecker local speaker	RF measurement techniques	Transverse Profile Measurements II	Diagnostics in hadron synchrotrons and colliders	Analog Digital Conversion	Diagnostics in light sources I		Optical detection techniques	Emittance Measurements		Precise Timing and Synchronization I	Diagnostic in Advanced Accelerator Experiments		
09:30		Transverse beam dynamics recap I	BPM systems I	Tune, Chromaticity & Coupling Measurements	Time-and Frequency Domain signals I	Digital Signal Processing I	Impact of collective effects on instrumentation design		Beam Loss Monitors	(Short) Bunch Length Measurements I		Real-time Feedback on machine parameters	Schottky Diagnostics I		
10:30	Coffee								Coffee		Free / Study time	Coffee			
11:00	Measurement Principles I	Transverse Profile Measurements I	Analog Electronics	Intensity Measurements	Time-and Frequency Domain signals III	Diagnostics in light sources II		Introduction to Optics (basics, components, diffraction)	Lasers (technologies & setups)			Precise Timing and Synchronization II	Machine learning applications in BI I		
12:00	Transverse beam dynamics recap II	BPM systems II	Discussion/Q&A I	Time-and Frequency Domain signals II	Digital Signal Processing II	Discussion/Q&A II		Halo diagnostics	Short Bunch Length Measurements II			Diagnostics in lepton-linacs and FELs	Discussion/Q&A III		
13:00	Lunch								Lunch						
14:30	Measurement Principles II	Hands-on - Block I			Free / Study time			Hands-on - Block II			Hands-on - Block III		Hands-on - Block IV		Schottky Diagnostics II
15:30	Longitudinal beam dynamics recap														
16:30	Coffee								Coffee						
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														
	Welcome Drink		Poster Session												
19:30	Dinner												Special Dinner		
21:00										Social Event					

DRAFT

Arrival day and registration

Excursion

Departure day