

## Program for the CAS - Basics of Accelerator Physics and Technology, 10-14 March 2025

	Mon 10	Tue 11	Wed 12	Thu 13	Fri 14
08:00	Registration+Coffee	Coffee			
08:30	Welcome Speech				
08:45	<b>Accelerators for Beginners and the CERN Complex</b> <i>Steerenberg</i>	<b>Cryogenics</b> <i>Koettig</i>	<b>Particle Sources</b> <i>Küchler</i>	<b>Injection and Extraction</b> <i>Arrutia</i>	<b>Plasma Wakefield Acceleration + AWAKE</b> <i>Gschwendtner</i>
09:50	<b>Basic Mathematics and Units</b> <i>Steerenberg</i>	<b>Transverse Beam Dynamics II</b> <i>Holzer</i>	<b>Linacs</b> <i>Lombardi</i>	<b>Vacuum Systems</b> <i>Baglin</i>	<b>HL-LHC</b> <i>Zerlauth</i>
10:50	Coffee				
11:20	<b>Electromagnetic Theory</b> <i>Shreyber</i>	<b>Longitudinal Beam Dynamics I</b> <i>Tecker</i>	<b>Beam Instrumentation</b> <i>Lefevre</i>	<b>Linear Imperfections</b> <i>Wenninger</i>	<b>Standard Model and Beyond</b> <i>Sphicas</i>
12:20	Lunch				
13:55	<b>Relativity for Accelerators</b> <i>Shreyber</i>	<b>Transverse Beam Dynamics III</b> <i>Holzer</i>	<b>RF Systems</b> <i>Damerau</i>	<b>Controls</b> <i>Deghaye</i>	<b>Future Linear Colliders</b> <i>Stapnes</i>
15:00	<b>Transverse Beam Dynamics I</b> <i>Holzer</i>	<b>Longitudinal Beam Dynamics II</b> <i>Tecker</i>	<b>Superconducting Magnets</b> <i>Todesco</i>	<b>Collective effects</b> <i>Buffat</i>	<b>Future Circular Colliders</b> <i>Benedikt</i>
16:00	Coffee				
16:30	<b>Normal Conducting &amp; Permanent Magnets</b> <i>Bauche</i>	Discussion	Discussion	Discussion	Discussion
17:30	<b>Welcome drink</b>				