

BASIC CAS Course, 04 May 2021- 20 May 2021
3 weeks - 3 afternoons

	Tue 4-May-21	Wed 5-May-21	Thu 6-May-21	Mon 10-May-21	Tue 11-May-21	Wed 12-May-21	Tue 18-May-21	Wed 19-May-21	Thu 20-May-21	Fri 21-May-21
14h 15h	Accelerators for Beginners and the CERN Complex	Electromagnetic Elements	Transverse Beam Dynamics I	Transverse Beam Dynamics III	Longitudinal Beam Dynamics II	Collective effects	Injection, Extraction and Beam Transfer	Cryogenics	Wakefield Acceleration	Linear Imperfections Postponed to a later date
	R. Steerenberg	P. Skowronski	B. Holzer	B. Holzer	F. Tecker	X. Buffat	Y. Dutheil	T. Koettig	E. Gschwendtner	J. Wenninger
15h15 16h15	Basic Mathematics and Units	Particle Sources	Normal-Conducting Magnets	Longitudinal Beam Dynamics I	RF Systems	Beam Instrumentation	Vacuum Systems	Superconducting Magnets	Future Linear colliders	
	R. Steerenberg	D. Kuchler	T. Zickler	F. Tecker	F. Tecker	H. Schmickler	V. Baglin	D. Schoerling	S. Stapnes	
16h30 17h30	Relativity	Standard Model and Beyond	Transverse Beam Dynamics II	Time and frequency Domain Signals	Linacs	Linear Imperfections Postponed to a later date	Kickers, Septa and Protection Elements	Machine Protection	Future Circular Colliders	
	E. Gianfelice (FNAL)	P. Sphicas	B. Holzer	H. Schmickler	D. Alesini (INFN)	J. Wenninger	M. Barnes	M. Zerlauth	M. Benedikt	
			Discussion			Discussion			Discussion	

Extension part of the course programme below:

BASIC CAS Course Extension, 29 June 2021- 8 July 2021

	Tue 29-June-21	Wed 30-June-21	Thu 1-Jul-21	Wed 7-July-21	Thu 8-July-21
14h 15h	Lasers and laser beams I	Linear Imperfections	Wakefield Acceleration	Power Converters	Accelerator Controls
	L. Corner	J. Wenninger	M. Ferrario	J-P. Burnet	S. Deghaye
15h15 16h15	RF Systems I	Timing	RF Systems II	Hilumi-LHC	Collider Daily Operation
	H. Damerau	J. Serrano	H. Damerau	M. Zerlauth	M. Lamont
16h30 17h30	Lasers and laser beams II				
	L. Corner				