

Program for the CAS course 'Normal- and Superconducting Magnets' - 2023 - Sankt Pölten, Austria

	19/11	20/11/23	21/11/23	22/11/23	23/11/23	24/11/23	25/11/23	26/11/23	27/11/23	28/11/23	29/11/23	30/11/23	1/12/23	2/12				
	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat				
08:30	Arrival day and registration	Opening F.Tecker local speakers	Field description for magnets III S. Russenschuck	Introduction to code for practical exercises Hands-on teams	Technical superconductors (LTS) M. Eisterer	Quench detection & magnet protection E. Todesco	Electrical Insulation for Magnets R. Piccin	Excursion	Mapping techniques (Hall Probes) M. Liebsch	Material for magnets & measurements II S. Sgobba	Departure day	Metrology, alignment & fiducialisation P. Bestmann	Powering infrastructures S. Yammine					
09:30		Overview Design of accelerator magnets S. Russenschuck	Magnetic field simulation by finite element methods H. de Gersem	RT magnet design, fabrication, testing III A. Milanese	SC magnet design EM part II S. Farinon	Hands-on block 2	Magnetic measurement systems overview M. Buzio		Hysteresis and dynamic effects in SC magnets E. Todesco	NC dynamic effects, reproducibility M. Buzio		SC magnet fabrication + testing I S.lzquierdo Bermudez	Permanent magnets G. Le Bec					
10:30		Coffee							Coffee			Coffee						
11:00		Field description for magnets I S. Russenschuck	Modelling and simulating accelerator magnets H. de Gersem	SC magnet design EM part I S. Farinon	Technical superconductors (HTS) A. Ballarino	Hands-on block 2	Rotating coils, flux metric method, wire systems L. Fiscarelli		Heat transfer, cryostat, conduction cooling I R. van Weelderden	Heat transfer, cryostat, conduction cooling II R. van Weelderden		Injection & extraction devices J. Borburgh	Superferric magnets M. Statera					
12:00		Field description for magnets II S. Russenschuck	Introduction to practical exercises Hands-on teams	SC magnet design mechanical I F. Toral	SC magnet design mechanical II F. Toral		Low-emittance ring magnets F. Toral		Material for magnets & measurements I S. Sgobba	NC Modelling & measurement of non-linear effects M. Buzio		SC magnet fabrication + testing II S.lzquierdo Bermudez	Magnets for medical applications M. Pivi					
13:00		Lunch							Lunch									
14:30		Beam dynamics + resulting magnet specifications I H. Schmickler	RT magnet design, fabrication, testing I A. Milanese	Hands-on block 1		Medastron Visit	Hands-on block 2		Hands-on block 3			Hands-on block 4		Insertion devices A. Bernhard				
15:30		Beam dynamics + resulting magnet specifications II H. Schmickler	Superconductivity M. Eisterer											Collider magnets (incl. muon collider) L. Bottura				
16:30		Coffee							Coffee									
17:00		One slide - one minute ALL	RT magnet design, fabrication, testing II A. Milanese	Hands-on block 1			Hands-on block 2		Hands-on block 3			Hands-on block 4		Closing F.Tecker				
18:00		Welcome Drink		Seminar: Simulation, AI & beyond D. Rothschedl	Poster Session													
19:30		Dinner											Special Dinner					
21:00												Social Event					v6.2.1	