

Specification of MICE super-conducting magnet settings

Period of validity: From Ath December to Bth December 2016

This document specifies the currents at which the two spectrometer solenoids (SSU & SSD) and the focus coil (FC) will be operated. The operating currents are requested by the MICE collaboration and authorised through the sign-off chain below.

Operating configuration:

Channel Tag	Mode	SSU (A)					FC (A)	SSD (A)				
		E2	C	E1	M2	M1		M1	M2	E1	C	E2
	Solenoid							0	0			
Link Box connection Yes or No?								N	N			

Ramp order:

- FC to be ramped up to current once SSU and SSD are at current
- FC to be ramped down to 0A before SSU and SSD are ramped to 0A or, adjusted when at current

Additional requirements:

- Mains breakers for SSD M1 and M2 power supplies locked off
- Mains breakers and power supplies for SSU & SSD End coils are ON
- End coils are O/C in both link boxes and the PSU's are disconnected at rear

Sign off:

Requested on behalf of MICE:
Name Sign Date
Authorised by MICE project manager:
Name Sign Date
Authorised by Head of MICE Magnet Group:
Name Sign Date
Authorised by MICE Duty Coordinator:
Name Sign Date
MICE operations manager (Signs when current changes only. No Link Box work)
Name Sign Date
Magnet expert for Ramp Up & Channel Tag check:
Name Sign Date
Magnet expert for Ramp down:
Name Sign Date