

Plan for 'MICE' shift during the ISIS run-up: 8th June 2008

MICE shift 8th June 2008: 16:30 start

Radiation surveys in the MICE Hall

Goals:

1. Perform radiation surveys as agreed with Paul Wright and David Findlay.
 - I. Magnets OFF, ISIS 50 pps, target dipping;
 - II. Magnets ON, ISIS 50 pps, target dipping; beam loss 50 mV;
 - III. target dipping; beam loss 100 mV, Q1-3, D1, decay solenoid on, D2 and Q4-6 off, the goal to measure shine on the north shielding wall;
 - Array of dosimeters to be mounted on north wall of DSA radiation shield.

Preconditions:

- Permits to operate magnet power supplies obtained;
- Beam stop in position;
- MICE Hall and DSA searched and locked.

T₀ nominal start time 16.30

Id	Task	Lead	StartTime (Estimated duration)	Predecessors
Second MICE shift: Date; time				
Re-establish MMB operation				
1	Re-establish beamloss/particle rate with D1 (400A) & D2 (170A)	MOM	T ₀ + (0.5h)	None
2	Re-establish operation of MMB to Q6	MOM	T ₀ + 0.5h (0.5h)	1
Radiation surveys in MICE Hall				
3	Radiation survey 1: Magnets OFF, ISIS 50 pps, target dipping	MOM	T ₀ + 1h (1h)	2
4	Radiation survey 2: Magnets On (to Q6), ISIS 50 pps, target dipping	MOM	T ₀ +2h (1h)	3
5	Radiation survey 3: Mis-steered ISIS beam, Q1-3, D1, decay solenoid on, D2 and Q4-6 off.	MOM	T ₀ +3h (1h)	4