

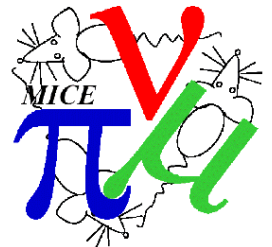


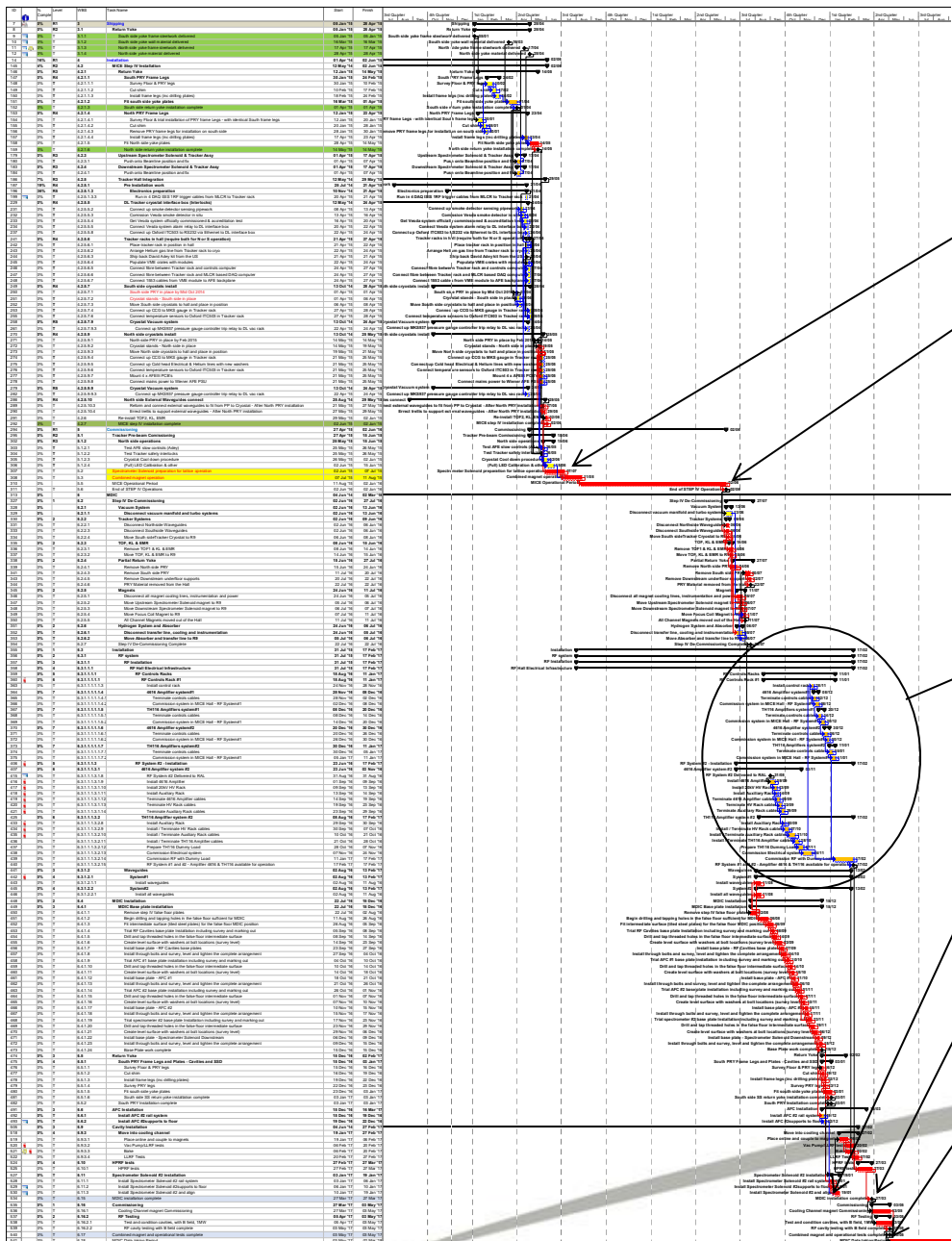
Step IV Schedule

CM41 - RAL

Roy Preece

10th February 2014





- Critical and Near Critical path items
 - Orange – <15 days total slack
 - Yellow - >15 days < 30 days total slack
- Step IV Data Taking period starting 11th August 2015
- Hard end date of 1st June 2016
- RF looks to be off of the Critical path but only has 0.5 days total slack so will be treated as on the critical path.
- PRY, Magnet and Cavity Installation complete 1st Feb 2017
- Construction complete, including RF without B-Field 24th March 2017
- Commissioning complete, including RF with B-Field 2nd May 2017

Schedule to Completion

9	End of Step IV Data taking	1st June 2016
Cooling demonstration		
10	Partial Return Yoke materials arrive at RAL	10th May 2016
11	RF Cavities arrive at RAL	18th May 2016
12	Step IV De-Commissioning complete	22nd July 2016
13	RF Amplifier delivered	31st August 2016
14	RF Amplifier 1 ready for electrical commissioning	6th October 2016
15	RF Amplifier 2 ready for electrical commissioning	7th November 2016
16	Installation of PRY South starts	14th December 2016
17	Installation of the RF Cavities and Chambers starts	19th January 2017
18	Installation of North PRY complete	1st February 2017
19	Cooling Demonstration construction complete	24th March 2017
20	Cooling Demonstration commissioning complete	2nd May 2017
21	End of data taking in the cooling-demonstration configuration	31st March 2018

- End of data taking for Cooling Demo set as 31st March 2018
- Funding proposals may have requests for operations funding past that date.

Description	Nov-13		Apr-14		Nov-14	
	Delivered	Required	Delivered	Required	Delivered	Required
Step IV						
Spectrometer Solenoid 2 Upstream - Complete						
Spectrometer Solenoid 1 Downstream - Complete	08-May-14	10-Jan-14	16-May-14	19-May-14	16-May-14	19-May-14
Mapping equipment	03-Jan-14	10-Dec-13	15-May-14	02-Jun-14	15-May-14	02-Jun-14
Focus Coil 1	03-Oct-14	10-Dec-13	07-Aug-14	12-Nov-14	07-Aug-14	12-Nov-14
Liquid Hydrogen A	16-Apr-14	16-Apr-14	09-Feb-15	04-Mar-15	09-Feb-15	04-Mar-15
Step IV integration complete	30-Jan-15	29-Jan-15	04-Mar-15	17-Mar-15	02-Jun-15	17-Mar-15
Cooling Demonstration						
RF Cavities and associated chambers					18-May-16	01-Nov-16
South PRY Plates					10-May-16	04-Dec-16
North PRY Plates					10-May-16	10-Jan-17
Focus Coil 2						
Cooling Demonstration integration complete					27-Mar-17	27-Mar-17
Decision Points						
Magnetic Shielding decision Step IV						