

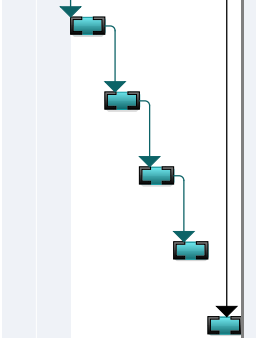
ID	Task Mode	Task Name	Duration	Start	Finish	14 Feb '16					21 Feb '16					28 Feb '16					06 Mar '16					13 Mar '16					20 Mar '16					27 Mar '16				
						S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	➡	<b>Preparation and Testing in R9</b>	<b>29 days?</b>	<b>Mon 15/</b>	<b>Thu 24/03/16</b>	[Gantt bar spanning from Mon 15/02/16 to Thu 24/03/16]																																		
2	➡	<b>Absorber leaks</b>	<b>1 day?</b>	<b>Mon 15/</b>	<b>Mon 15/02/16</b>	[Gantt bar for Mon 15/02/16]																																		
3	🔧	Tidy mating surface on leaking absorber seal				[Gantt bar for Mon 15/02/16]																																		
4	🔧	Make indium wire				[Gantt bar for Mon 15/02/16]																																		
5	🔧	Re-assemble absorber				[Gantt bar for Mon 15/02/16]																																		
6	🔧	Wrap absorber in insulation (Al tape/MLI)				[Gantt bar for Mon 15/02/16]																																		
7	➡	<b>Feedthrough leaks</b>	<b>7 days</b>	<b>Mon 15/</b>	<b>Wed 24/02/16</b>	[Gantt bar spanning from Mon 15/02/16 to Wed 24/02/16]																																		
8	🔧	Remove feedthrough from top-plate	0.5 days	Mon 15/	Mon 15/02/16	[Gantt bar for Mon 15/02/16]																																		
9	🔧	Replace o-ring	0.5 days	Tue 16/0	Tue 16/02/16	[Gantt bar for Tue 16/02/16]																																		
10	🔧	Re-solder three feedthroughs (including new heater wire)	5 days	Wed 17/02/16	Wed 24/02/16	[Gantt bar spanning from Wed 17/02/16 to Wed 24/02/16]																																		
11	➡	<b>Work to improve thermal performance</b>	<b>13 days</b>	<b>Mon 15/</b>	<b>Wed 02/03/16</b>	[Gantt bar spanning from Mon 15/02/16 to Wed 02/03/16]																																		
12	🔧	Build thermal model of system	5 days			[Gantt bar for Mon 15/02/16]																																		
13	➡	<b>Fit heater</b>	<b>13 days</b>	<b>Mon 15/</b>	<b>Wed 02/03/16</b>	[Gantt bar spanning from Mon 15/02/16 to Wed 02/03/16]																																		
14	🔧	Source heater	10 days	Mon 15/	Fri 26/02/16	[Gantt bar spanning from Mon 15/02/16 to Fri 26/02/16]																																		
15	🔧	Manufacture heater mount	1 day	Mon 29/	Mon 29/02/16	[Gantt bar for Mon 29/02/16]																																		
16	🔧	Fit heater on pipework	1 day	Tue 01/0	Tue 01/03/16	[Gantt bar for Tue 01/03/16]																																		
17	🔧	Heater wiring	1 day	Wed 02/	Wed 02/03/16	[Gantt bar for Wed 02/03/16]																																		
18	🔧	Set up controls and monitoring for heater	1 day			[Gantt bar for Wed 02/03/16]																																		
19	🔧	Remove coldhead from turret	0.5 days	Mon 15/	Mon 15/02/16	[Gantt bar for Mon 15/02/16]																																		
20	🔧	Check pipework in turret	1 day	Mon 15/	Tue 16/02/16	[Gantt bar for Mon 15/02/16]																																		
21	🔧	Replace coldhead in turret	0.5 days	Thu 18/0	Thu 18/02/16	[Gantt bar for Thu 18/02/16]																																		
22	➡	<b>Preparation for testing in R9</b>	<b>1 day?</b>	<b>Mon 15/</b>	<b>Mon 15/02/16</b>	[Gantt bar for Mon 15/02/16]																																		
23	🔧	Compressor and pipework connected				[Gantt bar for Mon 15/02/16]																																		

Project: msproj11 Date: Mon 15/02/16	Task		Project Summary		Inactive Milestone		Manual Summary Rollup		Deadline	
	Split		External Tasks		Inactive Summary		Manual Summary		Progress	
	Milestone		External Milestone		Manual Task		Start-only			
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24		Controls rack complete and connected																																						
25		Power cables connected																																						
26		Controls and monitoring software ready																																						
27		Vacuum system assembled																																						
28		<b>End Caps</b>	<b>1 day?</b>	<b>Mon 15/</b>	<b>Mon 15/02/16</b>																																			
32		Assembled cryostat ready to go																																						
33		Leak check	3 days	Thu 03/C	Mon 07/03/16																																			
34		Cooldown	10 days	Tue 08/0	Mon 21/03/16																																			
35		Review performance	3 days	Tue 22/0	Thu 24/03/16																																			
36		Move FC#2 into MICE hall and FC#1 back to R9	1 day?	Fri 25/03	Fri 25/03/16																																			
37		<b>Preparation for Operation in MICE hall</b>	<b>34 days?</b>	<b>Mon 15/</b>	<b>Thu 31/03/16</b>																																			
38		<b>Outstanding review actions</b>	<b>1 day?</b>	<b>Mon 15/</b>	<b>Mon 15/02/16</b>																																			
39		Update operating instructions																																						
40		Maintenance plan for safety critical component																																						
41		Compile safety file																																						
42		Install hydrogen bottle pack charging station and N2 jacketed transfer line																																						
43		Install vacuum rated hand-valves upstream of all vacuum gauges																																						
44		Develop comprehensive emergency procedures																																						
45		Define a training scheme for LH2 system operat																																						
46		Implement a formal Change Request Notice																																						
47		Revise control system GUI																																						
48		Consider minor hardware modifications in line with specific recommendations																																						
49		<b>Controls and Monitoring</b>	<b>1 day?</b>	<b>Mon 15/</b>	<b>Mon 15/02/16</b>																																			

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50		Upgrade keys																																														
51		Remove non-H2 system wiring from H2 system ducting																																														
52		Level sensors operational																																														
53		Update program sequences																																														
54		Commision compressor control																																														
55		Replace faulty sensor in gas detection panel																																														
56		...																																														
57		...																																														
58		<New Task>																																														
59		<New Task>																																														
60		<b>Miscellaneous</b>	<b>1 day?</b>	<b>Mon 15/</b>	<b>Mon 15/02/16</b>																																											
61		Train system operators	1 day?	Mon 15/	Mon 15/02/16																																											
62		Reinstall FC#2 in MICE hall	1 day?	Mon 28/	Mon 28/03/16																																											
63		Leak test	1 day?	Tue 29/0	Tue 29/03/16																																											
64		Cooldown test with Helium	1 day?	Wed 30/	Wed 30/03/16																																											
65		Warm up	1 day?	Thu 31/0	Thu 31/03/16																																											
66		Operate with Hydrogen	1 day?	Fri 01/04	Fri 01/04/16																																											



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Date: Mon 15/02/16

**Task**

**Split**

**Milestone**

**Summary**

**Project Summary**

**External Tasks**

**External Milestone**

**Inactive Task**

**Inactive Milestone**

**Inactive Summary**

**Manual Task**

**Duration-only**

**Manual Summary Rollup**

**Manual Summary**

**Start-only**

**Finish-only**

**Deadline**

**Progress**