

Muon LS2 Schedule

ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors	Resource Names	Sub System
1		Stitch Muon to CMS Project	55 days	Mon 03/12/18	Fri 01/03/19			
2		DT Mic2 Slice Test	8 wks	Mon 28/01/19	Fri 22/03/19	1FS-5 wks		DT
3		Prepare configuration for Muon Work	5 days	Mon 04/03/19	Fri 08/03/19	1	CMX heavy	
4		HB RBX refurbishment	16 wks	Mon 11/03/19	Fri 05/07/19	3		HB
5		HEP Phase1 electronics refurbishment	37 days	Fri 05/04/19	Fri 31/05/19	22		HE
6		ME-1/1 refurbishment	60 days	Wed 06/03/19	Mon 03/06/19			CSC
7		ME-1/1 refurbishment	60 days	Wed 06/03/19	Mon 03/06/19	3SS+2 days	Crane -	CSC
8		RE-3/1 service installation	23 days	Wed 06/03/19	Fri 05/04/19			RPC
9		RE-3/1 gas service installation	11 days	Wed 06/03/19	Wed 20/03/19	7SS	ZEC	RPC
10		RE-3/1 cable installation	12 days	Thu 21/03/19	Fri 05/04/19	9	FSU	RPC
11		RE-3 Standard Maintenance	13 days	Wed 06/03/19	Fri 22/03/19	7SS		RPC
12		Disconnect RE+4/2 services	6 days	Mon 11/03/19	Mon 18/03/19	3		RPC
13		Dismount RE+4/2	6 days	Thu 14/03/19	Thu 21/03/19	12SS+3 days	Crane +	RPC
14		ME+4/1 Flow restrictor replacement	2 days	Thu 21/03/19	Fri 22/03/19	13FS-1 day	ZEC	CSC
15		Open gap between YE+3 and YE+2	1 day	Mon 25/03/19	Mon 25/03/19	14	CMX heavy	
16		ME+3/1 Flow restrictor replacement	2 days	Tue 26/03/19	Wed 27/03/19	15	ZEC	CSC
17		ME+3/1 Preparatory Work	4 days	Tue 26/03/19	Fri 29/03/19	16SS		CSC
18		ME+3 Standard Maintenance	4 days	Tue 26/03/19	Fri 29/03/19	15		CSC
19		ME-3/1 Flow Restrictor replacement	2 days	Mon 01/04/19	Tue 02/04/19	10SS+7 days	ZEC	CSC
20		ME-3/1 Preparatory Work	3 days	Wed 03/04/19	Fri 05/04/19	19		CSC
21		ME-3 Standard Maintenance	5 days	Mon 01/04/19	Fri 05/04/19	19SS		CSC
22		Prepare configuration for YB+ MB work	4 days	Mon 01/04/19	Thu 04/04/19	17	CMX heavy	
23		Remove YB+1 & YB0+ MABs	2 days	Fri 05/04/19	Mon 08/04/19	22		Alignn
24		RPC gas leak repairs on YB+	21 days	Tue 09/04/19	Fri 10/05/19			RPC
25		Inspect gas leaks on RB+	5 days	Tue 09/04/19	Mon 15/04/19	23		RPC
26		Remove cables for pilot leak fix	2 days	Thu 11/04/19	Fri 12/04/19	25SS+2 days		RPC
27		Pilot Fix on RB+	1 day	Thu 25/04/19	Thu 25/04/19	26FS+6 days		RPC

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28		Fix leaks on YB+2F (non-ip)	1 day	Fri 26/04/19	Fri 26/04/19	27		RPC
29		Fix leaks on YB+1F (IP)	1 day	Mon 29/04/19	Mon 29/04/19	28		RPC
30		Fix leaks on YB+1F and YB0+ (non-IP)	2 days	Tue 30/04/19	Thu 02/05/19	29		RPC
31		Fix leaks on YB+1N (non-IP)	2 days	Fri 03/05/19	Mon 06/05/19	30		RPC
32		Fix leaks on YB+2N (IP)	3 days	Tue 07/05/19	Thu 09/05/19	31		RPC
33		Fix leaks on YB+2F (non-IP)	1 day	Fri 10/05/19	Fri 10/05/19	32,44		RPC
34		DT Mini Crates repair	22 days	Mon 08/04/19	Fri 10/05/19			DT
35		DT Mini Crates YB0+N	5 days	Mon 08/04/19	Fri 12/04/19	23FS-1 day		DT
36		DT Mini Crates YB+1F	4 days	Mon 15/04/19	Thu 18/04/19	35		DT
37		DT Mini Crates YB0+F	4 days	Tue 23/04/19	Fri 26/04/19	36		DT
38		DT Mini Crates YB+2F	4 days	Mon 29/04/19	Fri 03/05/19	37		DT
39		DT Mini Crates YB+1F	5 days	Mon 06/05/19	Fri 10/05/19	38		DT
40		MB4 Shielding	32 days	Mon 08/04/19	Fri 24/05/19			DT
41		YB+2N MB4 shielding	10 days	Mon 08/04/19	Tue 23/04/19	23FS-1 day	Crane +	DT
42		YB+1N MB4 shielding	10 days	Mon 13/05/19	Fri 24/05/19	24	Crane +	DT
43		Remove DT+RPC cables	1 wk	Mon 29/04/19	Mon 06/05/19	28		MB
44		DT Chamber Repair	3 days	Tue 07/05/19	Thu 09/05/19	43		DT
45		RPC LV repairs on YB+	5 days	Mon 13/05/19	Fri 17/05/19	33		RPC
46		Install DT+RPC cables on YB+2F & YB0+F	5 days	Mon 20/05/19	Fri 24/05/19	45		MB
47		Install DT+RPC cables	4 days	Mon 27/05/19	Fri 31/05/19	46		MB
48		Open gap between YE-1 and YE-2	1 day	Mon 08/04/19	Mon 08/04/19	10,20,21	CMX heavy	
49		GE-2/1 service installation	27 days	Mon 08/04/19	Fri 17/05/19			GEM
50		GE-2/1 gas service installation	9 days	Mon 08/04/19	Thu 18/04/19	48SS	ZEC	GEM
51		GE-2/1 cable installation	9 days	Tue 23/04/19	Mon 06/05/19	50	FSU	GEM
52		GE-2/1 gas leak test	5 days	Mon 06/05/19	Fri 10/05/19	51FS-1 day	ZEC	GEM
53		GE-2/1 cooling system installation	5 days	Mon 13/05/19	Fri 17/05/19	52	ZEC	GEM
54		ME-2/1 Flow restrictor replacement	2 days	Tue 07/05/19	Wed 08/05/19	52SS+1 day	ZEC	GEM

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55		Open gap between YE-3 and YE-4	4 hrs	Mon 20/05/19	Mon 20/05/19	53	CMX heavy	
56		RE-4/2 SM removal	7 days	Mon 20/05/19	Wed 29/05/19			RPC
57		Disconnect RE-4/2 services	5 days	Mon 20/05/19	Mon 27/05/19	55		RPC
58		Dismount RE-4/2	5 days	Wed 22/05/19	Wed 29/05/19	57SS+2 days	Crane -	RPC
59		ME-4/1 Flow Restrictor replacement	2 days	Tue 28/05/19	Fri 31/05/19	58FS-1 day	ZEC	CSC
60		ME-4/1 Preparatory Work	2 days	Tue 28/05/19	Fri 31/05/19	59SS		CSC
61		Prepare for next Muon configuration	7 days	Mon 03/06/19	Wed 12/06/19	7FS-1 day	CMX heavy	
62		ME+x/1 refurbishment	95 days	Thu 06/06/19	Fri 18/10/19			CSC
63		disconnect 9 Front ME2/1 services (+z)	1 day	Thu 06/06/19	Thu 06/06/19	61SS+3 days		CSC
64		dismount 9 Front ME2/1 (+z)	2 days	Fri 07/06/19	Tue 11/06/19	63	Crane +	CSC
65		disconnect 9 Back ME2/1 services (+z)	2 days	Wed 12/06/19	Thu 13/06/19	64		CSC
66		dismount 9 Back ME2/1 (+z)	2 days	Fri 14/06/19	Mon 17/06/19	65	Crane +	CSC
67		Refurbish in SX5 18 ME2/1 (+z)	18 days	Tue 11/06/19	Thu 04/07/19	64SS+1 day		CSC
68		maximize YE2-YE3 gap	1 day	Tue 18/06/19	Tue 18/06/19	66	CMX heavy	
69		disconnect 9 Front ME3/1 services (+z)	1 day	Wed 19/06/19	Wed 19/06/19	68		CSC
70		dismount 9 Front ME3/1 (+z)	2 days	Thu 20/06/19	Fri 21/06/19	69	Crane +	CSC
71		disconnect 9 Back ME3/1 services (+z)	2 days	Mon 24/06/19	Tue 25/06/19	70		CSC
72		dismount 9 Back ME3/1 (+z)	2 days	Wed 26/06/19	Thu 27/06/19	71	Crane +	CSC
73		Refurbish in SX5 18 ME3/1 (+z)	18 days	Wed 31/07/19	Fri 23/08/19	79,69SS+1 day		CSC
74		maximize YE3-YE4 gap	1 day	Fri 28/06/19	Fri 28/06/19	72	CMX heavy	
75		disconnect 9 Front ME4/1 services (+z)	1 day	Wed 26/06/19	Wed 26/06/19	72SS		CSC
76		dismount 9 Front ME4/1 (+z)	2 days	Mon 01/07/19	Tue 02/07/19	74	Crane +	CSC
77		disconnect 9 Back ME4/1 services (+z)	2 days	Wed 03/07/19	Thu 04/07/19	76		CSC
78		dismount 9 Back ME4/1 (+z)	2 days	Fri 05/07/19	Mon 08/07/19	77	Crane +	CSC
79		Refurbish in SX5 18 ME4/1 (+z)	18 days	Fri 05/07/19	Tue 30/07/19	76SS+1 day,6		CSC
80		maximize YE1-YE2 gap	1 day	Tue 09/07/19	Tue 09/07/19	78	CMX heavy	
81		Install 9 Back ME2/1 (+z)	2 days	Wed 10/07/19	Thu 11/07/19	80	Crane +	CSC

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82		Cabling & connectivity 9 back ME2/1 (+z)	4 days	Fri 12/07/19	Wed 17/07/19	81		CSC
83		Install 9 Front ME2/1 (+z)	2 days	Thu 18/07/19	Fri 19/07/19	82	Crane +	CSC
84		Cabling & connectivity 9 front ME2/1 (+z)	4 days	Mon 22/07/19	Thu 25/07/19	83		CSC
85		Replace 6 cooling flow restrictors for ME2/1 (+z)	2 days	Tue 23/07/19	Wed 24/07/19	83FS+1 day	ZEC	CSC
86		Connect gas and cooling ME2/1 (+z)	2 days	Fri 26/07/19	Mon 29/07/19	84		CSC
87		Commission gas and cooling ME2/1 (+z)	2 days	Tue 30/07/19	Wed 31/07/19	86		CSC
88		Commissioning 18 ME2/1 (+z)	8 days	Thu 01/08/19	Mon 12/08/19	87		CSC
89		Install ALCT mezzanines on ME2/2 (+z)	2 days	Mon 29/07/19	Tue 30/07/19	86SS+1 day		CSC
90		Commission ALCT mezzanines on ME2/2 (+z)	2 days	Wed 31/07/19	Thu 01/08/19	89		CSC
91		Maximize YE3-YE4 gap	1 day	Thu 08/08/19	Thu 08/08/19	88SS+5 days	CMX heavy	
92		Install 9 back ME4/1 (+z)	2 days	Fri 09/08/19	Mon 12/08/19	91,79	Crane +	CSC
93		Cabling & connectivity 9 back ME4/1 (+z)	4 days	Tue 13/08/19	Fri 16/08/19	92		CSC
94		Install 9 front ME4/1 (+z)	2 days	Mon 19/08/19	Tue 20/08/19	93	Crane +	CSC
95		Cabling & connectivity 9 front ME4/1 (+z)	3 days	Wed 21/08/19	Fri 23/08/19	94		CSC
96		Replace 6 cooling flow restrictors for ME4/1 (+z)	2 days	Thu 22/08/19	Fri 23/08/19	94FS+1 day	ZEC	CSC
97		Connect gas and cooling ME4/1 (+z)	2 days	Mon 26/08/19	Tue 27/08/19	95,96		CSC
98		Commission gas and cooling ME4/1 (+z)	2 days	Wed 28/08/19	Thu 29/08/19	97		CSC
99		Commissioning 18 ME4/1 (+z)	8 days	Fri 30/08/19	Wed 11/09/19	98		CSC
100		Reinstall RE4/2 (+z)	6 days	Mon 09/09/19	Mon 16/09/19	99SS+5 days	Crane +	RPC
101		Cable RE4/2 (+z)	6 days	Thu 12/09/19	Thu 19/09/19	100SS+3 days		RPC
102		RE4/2 Commissioning (+z)	8 days	Mon 23/09/19	Wed 02/10/19	101FS+1 day		RPC
103		Maximize YE2-YE3 gap	1 day	Tue 17/09/19	Tue 17/09/19	100	CMX heavy	CSC
104		Install 9 back ME3/1 (+z)	2 days	Wed 18/09/19	Thu 19/09/19	103	Crane +	CSC
105		Cabling & connectivity 9 back ME3/1 (+z)	4 days	Fri 20/09/19	Wed 25/09/19	104		CSC
106		Install 9 front ME3/1 (+z)	2 days	Thu 26/09/19	Fri 27/09/19	105	Crane +	CSC
107		Cabling & connectivity 9 front ME3/1 (+z)	3 days	Mon 30/09/19	Wed 02/10/19	106		CSC
108		Replace 6 cooling flow restrictors for ME3/1 (+z)	2 days	Tue 01/10/19	Wed 02/10/19	106FS+1 day	ZEC	CSC

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109		Connect gas and cooling ME3/1 (+z)	2 days	Thu 03/10/19	Fri 04/10/19	107,108		CSC
110		Commission gas and cooling ME3/1 (+z)	2 days	Mon 07/10/19	Tue 08/10/19	109		CSC
111		Install ALCT mezzanines on ME3/2 (+z)	2 days	Fri 04/10/19	Mon 07/10/19	109SS+1 day		CSC
112		Commission ALCT mezzanines on ME3/2 (+z)	2 days	Tue 08/10/19	Wed 09/10/19	111		CSC
113		Commission ME3/1 (+z)	8 days	Wed 09/10/19	Fri 18/10/19	110		CSC
114		RE+4/1 service installation	20 days	Wed 10/07/19	Tue 06/08/19			RPC
115		RE+4/1 gas service installation	10 days	Wed 10/07/19	Tue 23/07/19	81SS		RPC
116		RE+4/1 cooling service installation	5 days	Wed 24/07/19	Tue 30/07/19	115		RPC
117		RE+4/1 cable installation	10 days	Wed 24/07/19	Tue 06/08/19	116SS		RPC
118		GE-1/1 installation and commissioning	83 days	Thu 13/06/19	Tue 08/10/19			GEM
119		GE-1/1 chamber installation	4 wks	Thu 13/06/19	Wed 10/07/19	61		GEM
120		GE-1/1 service installation	28 days	Thu 11/07/19	Mon 19/08/19			GEM
121		GE-1/1 gas system installation	10 days	Thu 11/07/19	Wed 24/07/19	119	ZEC	GEM
122		GE-1/1 gas leak test	5 days	Mon 22/07/19	Fri 26/07/19	121SS+7 days	ZEC	GEM
123		GE-1/1 cooling installation	5 days	Thu 25/07/19	Wed 31/07/19	121	ZEC	GEM
124		GE-1/1 cooling test	5 days	Tue 30/07/19	Mon 05/08/19	123SS+3 days	ZEC	GEM
125		GE-1/1 cable installation	10 days	Tue 06/08/19	Mon 19/08/19	124	FSU	GEM
126		GE-1/1 commissioning	7 wks	Tue 20/08/19	Tue 08/10/19	120		GEM
127		DT Mic2 Slice Test	18 wks	Tue 11/06/19	Tue 15/10/19	61SS+5 days		DT
128		RPC gas leak repairs on YB-	35 days	Thu 13/06/19	Wed 31/07/19			RPC
129		Inspect gas leaks on YB-1N & YB0F	4 days	Thu 13/06/19	Tue 18/06/19	61		RPC
130		Inspect gas leaks on YB-1F, YB+0N & YB-2N	5 days	Wed 19/06/19	Tue 25/06/19	129		RPC
131		Inspect gas leaks on YB-2F	1 day	Wed 26/06/19	Wed 26/06/19	130		RPC
132		Fix leaks on YB-2F & YB0+F (non-IP)	2 days	Thu 27/06/19	Fri 28/06/19	131		RPC
133		Fix leaks on YB-1N (IP)	5 days	Mon 01/07/19	Fri 05/07/19	132		RPC
134		Fix leaks on YB-1F (IP)	9 days	Tue 09/07/19	Fri 19/07/19	133,141		RPC
135		Fix leaks on YB-2F (IP)	5 days	Mon 22/07/19	Fri 26/07/19	134		RPC


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136		Fix leaks on YB-2N (IP)	3 days	Mon 29/07/19	Wed 31/07/19	135		RPC
137		DT Mini Crates Repair	27 days	Thu 13/06/19	Fri 19/07/19			DT
138		DT Mini Crates YB-1F	4 days	Thu 13/06/19	Tue 18/06/19	61		DT
139		DT Mini Crates YB0-F	5 days	Wed 19/06/19	Tue 25/06/19	129,138		DT
140		DT Mini Crates YB0-N	5 days	Wed 26/06/19	Tue 02/07/19	130FS-1 day,1		DT
141		DT Mini Crates YB-1F	4 days	Wed 03/07/19	Mon 08/07/19	140		DT
142		DT Mini Crates YB-1N	9 days	Tue 09/07/19	Fri 19/07/19	133,141		DT
143		MB4 Shielding	40 days	Mon 22/07/19	Mon 16/09/19			DT
144		YB-1N MB4 shielding	5 days	Mon 22/07/19	Fri 26/07/19	142	Crane -	DT
145		YB-1F MB4 shielding	10 days	Mon 29/07/19	Fri 09/08/19	144	Crane -	DT
146		YB-1N MB4 shielding	5 days	Mon 12/08/19	Fri 16/08/19	145	Crane -	DT
147		YB-2N MB4 shielding	10 days	Mon 19/08/19	Fri 30/08/19	146	Crane -	DT
148		YB-2F MB4 shielding	10 days	Mon 02/09/19	Mon 16/09/19	147	Crane -	DT
149		Remove DT+RPC cables	2 wks	Mon 24/06/19	Fri 05/07/19	61SS+14 days		MB
150		RPC LV repairs on YB-	1 wk	Mon 15/07/19	Fri 19/07/19	134FS-5 days,		RPC
151		Install DT+RPC cables	5 days	Mon 29/07/19	Fri 02/08/19	136SS		MB
152		Install DT+RPC cables	4 days	Mon 02/09/19	Fri 06/09/19	148SS		MB
153		Commission DT+RPC after LS2 interventions on YB-	85 days	Mon 09/09/19	Fri 17/01/20	152		MB
154		RPC Mechanical Work on gas on YB-	24 days	Mon 02/09/19	Fri 04/10/19			RPC
155		RPC Mechanical Work on gas YB-2	9 days	Mon 02/09/19	Fri 13/09/19	148SS	ZEC	RPC
156		RPC Mechanical Work on gas YB-1	10 days	Mon 16/09/19	Fri 27/09/19	155	ZEC	RPC
157		RPC Mechanical Work on gas YB0-	5 days	Mon 30/09/19	Fri 04/10/19	156	ZEC	RPC
158		Prepare new configuration for ME+1/1 & YB0+	3 days	Wed 16/10/19	Fri 18/10/19	113SS+5 days	CMX heavy	
159		ME+1/1 refurbishment	60 days	Mon 21/10/19	Fri 24/01/20			CSC
160		ME+1/1 refurbishment	60 days	Mon 21/10/19	Fri 24/01/20	158	Crane +	CSC
161		HEM Phase1 electronics refurbishment	11 wks	Mon 21/10/19	Fri 17/01/20	158		HE

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162		RE+3/1 service instalation	20 days	Mon 21/10/19	Fri 15/11/19			RPC
163		RE+3/1 gas service installation	10 days	Mon 21/10/19	Fri 01/11/19	158,160SS	ZEC	RPC
164		RE+3/1 cable installation	10 days	Mon 04/11/19	Fri 15/11/19	163	FSU	RPC
165		RE+3 Standard Maintenance	15 days	Mon 21/10/19	Fri 08/11/19	163SS		RPC
166		Open gap between YE+1 and YE+2	1 day	Mon 18/11/19	Mon 18/11/19	164	CMX heavy	
167		GE+2/1 service installation	30 days	Tue 19/11/19	Mon 13/01/20			GEM
168		GE+2/1 gas system installation	10 days	Tue 19/11/19	Mon 02/12/19	166		GEM
169		GE+2/1 cooling system installation	5 days	Tue 03/12/19	Mon 09/12/19	168		GEM
170		GE+2/1 gas leak test	5 days	Tue 10/12/19	Mon 16/12/19	169		GEM
171		GE+2/1 cable instsallation	10 days	Tue 17/12/19	Mon 13/01/20	170		GEM
172		MB4 Shielding	20 days	Mon 21/10/19	Fri 15/11/19			
173		YBOF MB4 shielding	10 days	Mon 21/10/19	Fri 01/11/19	160SS	Crane -	DT
174		YBON MB4 shielding	10 days	Mon 04/11/19	Fri 15/11/19	173	Crane -	DT
175		RPC Mechanical Work on gas YBO+	5 days	Thu 12/12/19	Wed 18/12/19	170SS+2 days		RPC
176		Prepare for next muon configuration	10 days	Mon 20/01/20	Fri 31/01/20	160FS-5 days	CMX heavy	
177		ME-x/1 refurbishment	94 days	Wed 29/01/20	Mon 15/06/20			CSC
178		disconnect 9 Front ME2/1 services (-z)	1 day	Wed 29/01/20	Wed 29/01/20	176SS+7 days		CSC
179		dismount 9 Front ME2/1 (-z)	2 days	Thu 30/01/20	Fri 31/01/20	178	Crane -	CSC
180		disconnect 9 Back ME2/1 services (-z)	2 days	Mon 03/02/20	Tue 04/02/20	179		CSC
181		dismount 9 Back ME2/1 (-z)	2 days	Wed 05/02/20	Thu 06/02/20	180	Crane -	CSC
182		Refurbish in SX5 18 ME2/1 (-z)	18 days	Fri 31/01/20	Tue 25/02/20	179SS+1 day		CSC
183		maximize YE2-YE3 gap	1 day	Fri 07/02/20	Fri 07/02/20	181	CMX heavy	
184		disconnect 9 Front ME3/1 services (-z)	1 day	Mon 10/02/20	Mon 10/02/20	183		CSC
185		dismount 9 Front ME3/1 (-z)	2 days	Tue 11/02/20	Wed 12/02/20	184	Crane -	CSC
186		disconnect 9 Back ME3/1 services (-z)	2 days	Thu 13/02/20	Fri 14/02/20	185		CSC
187		dismount 9 Back ME3/1 (-z)	2 days	Mon 17/02/20	Tue 18/02/20	186	Crane -	CSC
188		Refurbish in SX5 18 ME3/1 (-z)	18 days	Mon 23/03/20	Fri 17/04/20	194		CSC











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189		maximize YE3-YE4 gap	1 day	Wed 19/02/20	Wed 19/02/20	187	CMX heavy	
190		disconnect 9 Front ME4/1 services (-z)	1 day	Tue 18/02/20	Tue 18/02/20	187SS+1 day		CSC
191		dismount 9 Front ME4/1 (-z)	2 days	Thu 20/02/20	Fri 21/02/20	189	Crane -	CSC
192		disconnect 9 Back ME4/1 services (-z)	2 days	Mon 24/02/20	Tue 25/02/20	191		CSC
193		dismount 9 Back ME4/1 (-z)	2 days	Wed 26/02/20	Thu 27/02/20	192	Crane -	CSC
194		Refurbish in SX5 18 ME4/1 (-z)	18 days	Wed 26/02/20	Fri 20/03/20	182,191SS+1 d		CSC
195		maximize YE1-YE2 gap	1 day	Fri 28/02/20	Fri 28/02/20	193	CMX heavy	
196		Install 9 back ME2/1 (-z)	2 days	Mon 02/03/20	Tue 03/03/20	195	Crane -	CSC
197		Cabling & connectivity 9 back ME2/1 (-z)	4 days	Wed 04/03/20	Mon 09/03/20	196		CSC
198		Install 9 front ME2/1 (-z)	2 days	Tue 10/03/20	Wed 11/03/20	197	Crane -	CSC
199		Cabling & connectivity 9 front ME2/1 (-z)	3 days	Thu 12/03/20	Mon 16/03/20	198		CSC
200		Replace 6 cooling flow restrictors for ME2/1 (-z)	2 days	Wed 11/03/20	Thu 12/03/20	198SS+1 day	ZEC	CSC
201		Connect gas and cooling ME2/1 (-z)	2 days	Tue 17/03/20	Wed 18/03/20	199		CSC
202		Commission gas and cooling ME2/1 (-z)	2 days	Thu 19/03/20	Fri 20/03/20	201		CSC
203		Install ALCT mezzanines on ME2/2 (-z)	2 days	Wed 18/03/20	Thu 19/03/20	201SS+1 day		CSC
204		Commission ALCT mezzanines on ME2/2 (-z)	2 days	Fri 20/03/20	Mon 23/03/20	203		CSC
205		Commissioning 18 ME2/1 (-z)	8 days	Mon 23/03/20	Wed 01/04/20	202		CSC
206		Maximize YE3-YE4 gap (-z)	1 day	Mon 30/03/20	Mon 30/03/20	205SS+5 days	CMX heavy	
207		Install 9 back ME4/1 (-z)	2 days	Tue 31/03/20	Wed 01/04/20	206	Crane -	CSC
208		Cabling & connectivity 9 back ME4/1 (-z)	4 days	Thu 02/04/20	Tue 07/04/20	207		CSC
209		Install 9 front ME4/1 (-z)	2 days	Wed 08/04/20	Thu 09/04/20	208	Crane -	CSC
210		Cabling & connectivity 9 front ME4/1 (-z)	3 days	Tue 14/04/20	Thu 16/04/20	209		CSC
211		Replace 6 cooling flow restrictors for ME4/1 (-z)	2 days	Thu 09/04/20	Tue 14/04/20	209SS+1 day	ZEC	
212		Connect gas and cooling ME4/1 (-z)	2 days	Fri 17/04/20	Mon 20/04/20	210		CSC
213		Commission gas and cooling ME4/1 (-z)	2 days	Tue 21/04/20	Wed 22/04/20	212		CSC
214		Commissioning 18 ME4/1 (-z)	8 days	Thu 23/04/20	Tue 05/05/20	213		CSC
215		Reinstall RE4/2 (-z)	6 days	Thu 30/04/20	Fri 08/05/20	214SS+5 days	Crane -	RPC

Muon LS2 Schedule

ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors	Resource Names	Sub System
216		Cable RE4/2 (-z)	7 days	Wed 06/05/20	Thu 14/05/20	215SS+3 days		RPC
217		RE4/2 Commissioning (-z)	8 days	Fri 15/05/20	Wed 27/05/20	216		RPC
218		Maximize YE2-YE3 gap	1 day	Mon 11/05/20	Mon 11/05/20	215	CMX heavy	
219		Install 9 back ME3/1 (-z)	2 days	Tue 12/05/20	Wed 13/05/20	218	Crane -	CSC
220		Cabling & connectivity 9 back ME3/1 (-z)	4 days	Thu 14/05/20	Tue 19/05/20	219		CSC
221		Install 9 front ME3/1 (-z)	2 days	Wed 20/05/20	Fri 22/05/20	220	Crane -	CSC
222		Cabling & connectivity 9 front ME3/1 (-z)	3 days	Mon 25/05/20	Wed 27/05/20	221		CSC
223		Replace 6 cooling flow restrictors for ME3/1 (-z)	2 days	Fri 22/05/20	Mon 25/05/20	221SS+1 day	ZEC	
224		Connect gas and cooling ME3/1 (-z)	2 days	Thu 28/05/20	Fri 29/05/20	222		CSC
225		Commission gas and cooling ME3/1 (-z)	2 days	Tue 02/06/20	Wed 03/06/20	224		CSC
226		Install ALCT mezzanines on ME3/2 (-z)	2 days	Fri 29/05/20	Tue 02/06/20	224SS+1 day		CSC
227		Commission ALCT mezzanines on ME3/2 (-z)	2 days	Wed 03/06/20	Thu 04/06/20	226		CSC
228		Commission ME3/1 (-z)	8 days	Thu 04/06/20	Mon 15/06/20	225		CSC
229		RE-4/1 service installation	20 days	Mon 02/03/20	Fri 27/03/20			RPC
230		RE-4/1 gas service installation	10 days	Mon 02/03/20	Fri 13/03/20	196SS		RPC
231		RE-4/1 cooling service installation	5 days	Mon 16/03/20	Fri 20/03/20	230		RPC
232		RE-4/1 cable installation	10 days	Mon 16/03/20	Fri 27/03/20	231SS		RPC
233		GE+1/1 installation and commissioning	90 days	Mon 03/02/20	Fri 12/06/20			GEM
234		GE+1/1 chamber installation	4 wks	Mon 03/02/20	Fri 28/02/20	176		GEM
235		GE+1/1 service installation	35 days	Mon 02/03/20	Tue 21/04/20			GEM
236		GE+1/1 gas system installation	10 days	Mon 02/03/20	Fri 13/03/20	234		GEM
237		GE+1/1 gas leak test	5 days	Mon 16/03/20	Fri 20/03/20	236		GEM
238		GE+1/1 cooling installation	5 days	Mon 23/03/20	Fri 27/03/20	237		GEM
239		GE+1/1 cooling test	5 days	Mon 30/03/20	Fri 03/04/20	238		GEM
240		GE+1/1 cable installation	10 days	Mon 06/04/20	Tue 21/04/20	239		GEM
241		GE+1/1 commissioning	7 wks	Wed 22/04/20	Fri 12/06/20	240		GEM
242		DT Mini Crates Repair	10 days	Mon 03/02/20	Fri 14/02/20			DT

Muon LS2 Schedule

ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors	Resource Names	Sub System
243		DT Mini Crates YB+1N	10 days	Mon 03/02/20	Fri 14/02/20	176		DT
244		RPC Mechanical Work on YB+2	10 days	Mon 03/02/20	Fri 14/02/20	176	ZEC	RPC
245		RPC Mechanical Work on YB+1	10 days	Mon 17/02/20	Fri 28/02/20	244	ZEC	RPC
246		MB4 Shielding	20 days	Mon 02/03/20	Fri 27/03/20			DT
247		YB+1F MB4 shielding	10 days	Mon 02/03/20	Fri 13/03/20	236SS	Crane +	DT
248		YB+2F MB4 shielding	10 days	Mon 16/03/20	Fri 27/03/20	247	Crane +	DT
249		Commission DT+RPC after LS2 interventions on YB+	40 days	Mon 03/02/20	Fri 27/03/20	176		MB
250		Install MABs on YB0+ and YB+1	2 days	Mon 30/03/20	Tue 31/03/20	248		Alignn
251		Definitive closure of YB+	5 days	Mon 30/03/20	Fri 03/04/20	248	CMX heavy	
252		DT Mic2 Slice Test	46 days	Mon 06/04/20	Mon 15/06/20	251		DT