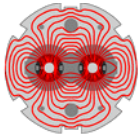


# Planning for LHC MD #4

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and  
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25.10.2011



# Sunday and Monday

Monday – Sunday

TIME	MD TITLE	EN.	LHC BEAM	PPB	TRANSV. EMIT.	LONG. EMIT.	PSB/LEIR USER	PS USER	SPS USER	MMI TARGET
16:00	Ramp down									
18:00	ATS Dry-run									
21:00	Ramp down									
23:00	Tune working points	450GeV	pilot	1e10			LHCPROBE	LHCPROBE	LHCPILOT	LHCPILOT
07:00	Proton-Lead feasibility test	3.5TeV	p+ 100ns Pb indiv	1.2e10			MD2 EARLY	LHC_SU I_LHC	LHC?? LHCION2	LHC?? LHCION2 LHCION_EARLY
23:00	Ramp down									

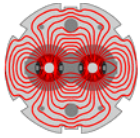
\* Cycle → LHC100\_SB\_4E10\_MD

\*\* Cycle → LHC\_100

\*\*\* Cycle → LHC\_ION\_2BP\_Early

\*\*\*\* Beam not yet taken by the SPS

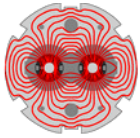
N.B. Only for non-operational users, the names of the cycles to be mapped into the given PSB/PS users are explicitly indicated. For operational users, the standard mapping is used.



# Tuesday and Wednesday

Wednesday – Tuesday

TIME	MD TITLE	EN.	LHC BEAM	PPB	TRANSV. EMITTANCE	LONG. EMIT.	PSB USER	PS USER	SPS USER	MMI TARGET
01:00	TDI vacuum + UFO studies	450GeV	indiv op 50 ns	2.5e11			MD4 LHC_MD_A + LHC_MD_B LHCPROBE	LHCINDIV LHC_MD LHCPROBE	LHC4 LHC1 LHCPILOT	LHCMONO LHC50NS LHCPILOT
09:00	UFO studies	450GeV	Pilot op 50 ns	1e10			LHC_MD_A + LHC_MD_B	LHC_MD	LHC1	LHC50NS
11:00	Beam shape	450GeV	Indiv	1.3e11			LHCINDIV	LHCINDIV	LHC4	LHCMONO
13:00	25ns LR	3.5TeV	25 ns				LHC_A + LHC_B*	MD6**	LHC3	LHC25NS
21:00	<i>Ramp down</i>									
23:00	BI	3.5eV	Pilot op 50 ns Indiv	1-2e10			LHCPROBE LHC_MD_A + LHC_MD_B LHCINDIV	LHCPROBE LHC_MD LHCINDIV	LHCPILOT LHC1 LHC4	LHCPILOT LHC50NS LHCMONO
07:00	<i>Ramp down</i>									
09:00	ATS and tight collimators	3.5TeV	Pilot Indiv	1e10 1.3e11			LHCPROBE LHCINDIV	LHCPROBE LHCINDIV	LHCPILOT LHC4	LHCPILOT LHCMONO
19:00	<i>Ramp down</i>									
21:00	Combined ramp+squeeze	3.5TeV	Pilot	1e10			LHCPROBE * Cycles → LHC25_DB_A + LHC25_DB_B	LHCPROBE ** Cycle → LHC25	LHCPILOT LHCPILOT	LHCPILOT LHCPILOT



# Thursday and Friday

Friday – Thursday

TIME	MD TITLE	EN.	LHC BEAM	PPB	TRAN. EMIT.	LONG. EMIT.	PSB USER	PS USER	SPS USER	MMI TARGET
05:00	<i>Ramp down</i>									
07:00	Injection stability and losses	450GeV	op 50 ns				LHC_MD_A + LHC_MD_B	LHC_MD	LHC1	LHC50NS
15:00	Quench margin at injection	450GeV	Pilot	1-2e10			LHCPROBE	LHCPROBE	LHCPILOT	LHCPILOT
			Indiv	2-3e10			LHCINDIV	LHCINDIV	LHC4	LHCMONO
19:00	Quench test at 3.5 TeV	3.5TeV	op 50 ns				LHC_MD_A + LHC_MD_B	LHC_MD	LHC1	LHC50NS
			Indiv	1.2e11			LHCINDIV	LHCINDIV	LHC4	LHCMONO
03:00	<i>Ramp down</i>									
05:00	Non-linear dynamics	450GeV	pilot	1e10			LHCPROBE	LHCPROBE	LHCPILOT	LHCPILOT
13:00	Longitudinal beam stability	450GeV	op 50 ns				LHC_MD_A + LHC_MD_B	LHC_MD	LHC1	LHC50NS
			indiv	1.3e11	variable		LHCINDIV	LHCINDIV	LHC4	LHCMONO
21:00	<i>Ramp down</i>									
23:00	ATS	450GeV	pilot	1e10			LHCPROBE	LHCPROBE	LHCPILOT	LHCPILOT
05:00	<i>Ramp down</i>									
06:00	<b>End of MD#4</b>									