

18/2/2005

### Beam Loss LHC installation planning

SECTOR		8 - 1	7 - 8	4 - 5	3 - 4	5 - 6	6 - 7	2 - 3	1 - 2		
2005	Jun										
	Jul										
	Aug										
	Sep										
	Oct										
	Nov										
	Dec										
2006	Jan										
	Feb	1 1 4 5 2 3	Coll 1 1 5 6 3 4								
	Mar										
	Apr										
	May			1 1 4 5 2 3							
	Jun										
	Jul				1 1 4 5 2 3	Dump					
	Aug					1 1 5 6 3 4					
	Sep						Dump Coll				
	Oct	BEAM					1 1 5 6 3 4				
	Nov										
	Dec							1 1 4 5 2 3	1 1 4 5 2 3		
2007	Jan										
	Feb										
	Mar										
	Apr										
	May										
	Jun										
	Jul										
	Aug	BEAM	BEAM	BEAM	BEAM	BEAM	BEAM	BEAM	BEAM		
Weeks	EXT BDI	4	5	4	4	5	5	4	4	35	140
Weeks	EXT TS	5	6	5	5	6	6	5	5	43	86
Weeks	EXT EL	2	3	2	2	3	3	2	2	19	38
Weeks	BDI-BL	1	1	1	1	1	1	1	1	8	16
Weeks	BDI-BL	1	1	1	1	1	1	1	1	8	16
Weeks	BDI-BL	3	4	3	3	4	4	3	3	27	108

<b>BL section</b>	1	Check location
persons	2	1 week / sector 70 quad, 2 persons 8 weeks / LHC 16 man weeks
<b>External BDI</b>	2	Supports chambers installation
	3	Chambers installation
	4	Mini rack installation (BPM BLM) under quad (electrical car in the tunnel) (transport of materials from lab to SR to Tunnel)
persons	4	1/2 day/ 2 quadrupole 16 chambers 2 persons 70 quad 420 chambres 17.5 days 4 weeks 35 weeks/LHC 70 man weeks
<b>External TS</b>	5	Copper cables installation
	6	Copper cables connection on the chambers
	7	Copper cables connection on the chambers
persons	2	1/2 day/ 2 quadrupole 24 cables 2 persons 70 quad 1680 cables 17.5 days 4 weeks 35 weeks/LHC 70 man weeks
<b>External EL</b>	8	Fiber patch pannel installation
persons	2	1/2 day/ 4 quadrupole 32 fibers 2 persons 70 quad 560 fibers 8.75 days 2 weeks 16 weeks/LHC 32 man weeks
<b>BL section</b>	9	High Voltage cables test (CBH50)
	10	Analog cables test (CB50) (with picometer and current source)
	11	Cables connection on the chassis
	12	CFC installation and test
	13	Optical fibres installation
	14	Test from surface
persons	4	1 day 8 quad 8CFC, 8 Alim, 18 otical cords, 3 persons 70 quad 9 days 2 weeks/ sector 3 persons 19 weeks/LHC 57 man weeks
<b>BL section</b>	15	Surface installation
persons	2	1 week / point 2 persons 8 weeks / LHC 16 man weeks

Works	BDI / BL	Works 1	Works 9 - 14	Works 15	140
Works	BDI / EXT	Works 2 - 4			140
Works	TS/EL EXT	Works 5 - 7	Works 8		124