

SPEAR SHUTDOWN - 2002

ID	Task Name	Duration	Start	Finish	Prede	Resource Names	August				September				October				Novemb					
							8	15	22	29	5	12	19	26	2	9	16	23	30	7	14	21	28	4
3	SSRL User's Conference	3 d	10/7	10/9													■	10/7						
4	UTILITY OUTAGES SUMMARY	61 d	7/15	10/7																				
5	LCW/CTW 7/27 - 8/25 Spear, 131, 140	22 d	7/26	8/26																				
6	SUB 514 (RF HVPS)	5 d	9/9	9/13		SEM											■	SEM						
7	SPEAR LCW TURN ON	0 d	10/3	10/3													■							
8	SPEAR RING LIGHTING OUT	61 d	7/15	10/7																				
9	ACCESS SCHEDULE SUMMARY	92.75 d	7/12	11/18																				
10	SPEAR	70 d	7/12	10/16																				
12	SSRL Ring Access	22 d	7/16	8/14																				
13	10S11 RF Cavity	13 d	7/16	8/1	309SS																			
14	BL1	6 d	7/23	7/30																				
15	BL2	6 d	7/31	8/7																				
16	Synchrotron Light Monitor	3 d	8/12	8/14																				
18	Injector/SPEAR Startup	18 d	10/23	11/18	535																			
19	User Beam Delivery	0 d	11/18	11/18	18																			
20	SPEAR 3 Projects - Summary	283 d?	7/3	8/1																				
21	East Pit Shielding	60 d	7/15	10/4		FAC																		
22	BL5 Alcove Upgrades - In Alcove	60 d	7/15	10/4		FAC																		
23	Pull Cables to External Cable trays	117 d	8/13	1/22		PCD																		
24	North Installation	44 d	8/13	10/11																				
26	South & West Installation	94 d	8/13	12/20																				
30	East Installation	50 d	11/14	1/22																				
34	HVRF Installation	50 d	10/14	12/20																				
36	HCW Installation	261 d	8/1	8/1		Shin																		
37	Pump pad installation	88 d	8/1	12/2																				
43	Install Piping	26 d	8/19	9/23																				
48	Flow test system	7 d	12/9	12/17																				
49	Test Klystron (2003)	0 d	1/2	1/2																				
50	HCW On-Line (2003)	0 d	8/1	8/1																				
51	Install LCW branch/valves for Klystron Bld	0 d	8/14	8/14																				
52	Vacuum Chamber Fabrication	97.75 d?	7/3	11/14																				
53	QFC Chambers	1 d	7/3	7/3		Neal, Jacobson																		
57	145D Type 2 (BM1) Chambers	87.75 d?	7/16	11/14		Neal, Jacobson																		
61	Kicker fabrication, test	1.5 d	7/3	7/4		Neal, Jacobson																		
62	Septum fabrication, test	1.5 d	7/3	7/4		Neal, Jacobson																		
70	SPEAR SHUTDOWN PROJECTS	0 d	7/8	7/8																				
71	INJECTOR:	111 d	5/14	10/15		Park																		
72	Mechanical Maintenance	14 d	8/28	9/16																				
73	LINAC TCW Mant	3 d	8/28	8/30																				
74	GTF Gun Water clean/change	2 d	9/3	9/4																				
75	LINAC Water Syst clean/change	2 d	9/5	9/6																				
76	Replace LCW Filters	2 d	9/9	9/10																				
77	Replace Air filters	1 d	9/11	9/11																				

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							8	15	22	29	5	12	19	26	2	9	16	23	30	7	14	21
361	Pumpdown BL2	1.5 d	9/11	9/12		VAC																
362	BL1 & 2 + Control Room	55 d	7/9	9/20		Horton																
367	pull old cables	10 d	7/22	8/2	366																	
368	reterminate cables	15 d	8/5	8/23	367																	
369	install new cables	10 d	8/26	9/6	368																	
370	install photohelics	3 d	9/9	9/11	369																	
371	plumb pneumatics	2 d	9/12	9/13	370																	
372	test controls	5 d	9/16	9/20	371																	
373	SP 3	30 d	7/18	8/28																		
374	Renumber Wall and Roof Block	10 d	8/6	8/19		MSG - Matt Boyce																
375	Label Cables to keep - ID,controls,INC	30 d	7/18	8/28		EDM																
376	Produce & test labels	7 d	7/18	7/26		PCD/EDM																
377	Review	3 d	7/29	7/31	376	PCD/EDM																
378	Identify and label cables	20 d	8/1	8/28	377	EDM																
379	Synchrotron Light Monitor	5 d	8/12	8/16		Ringwall																
380	Core Drill BL1 Alcove Wall	3 d	8/12	8/14		Ringwall,MSG																
381	Plug with concrete	2 d	8/15	8/16	380																	
382	Cable Plant	5 d	8/13	8/19																		
383	Cut Cable Penetration in north arc Shielding Block 13	5 d	8/13	8/19																		
384	Pumpdown Ring	12 d	10/1	10/16		VAC																
385	Quad 1	5 d	10/1	10/7		VAC																
386	Quad 2	5 d	10/2	10/8		VAC																
387	Quad 3	5 d	10/7	10/11		VAC																
388	Quad 4	5 d	10/8	10/14		VAC																
389	West Straight	5 d	10/9	10/15		VAC																
390	East Straight	5 d	10/10	10/16		VAC																
391	Startup Checkouts	0.5 d	10/9	10/9																		
392	Check Klystron IP trip	0.5 d	10/9	10/9																		
401	Survey and Align	44 d	7/29	9/26		Align																
402	Remove BTS Shielding wall	0 d	8/1	8/1	144	rigg/msg																
403	Survey magnets/monuments from Bldg 130 to BTS to Booster Ring	5 d	8/19	8/23		Align																
404	Install BTS Shielding wall	0 d	9/2	9/2	145	rigg/msg																
405	Network SSRL to Ring	15 d	7/29	8/16		Align																
406	Survey Quadrant 1 (BL11)	2 d	7/29	7/30		Align																
407	Survey Quadrant 2 (BL3,4,5,6)	4 d	8/1	8/6	406	Align																
408	Survey Quadrant 3 (BL 9,8,10,7,2)	6 d	8/7	8/14	407	Align																
409	Survey Quadrant 4 (BL 1)	2 d	8/15	8/16	408	Align																
410	LCW Turn On	8 d	9/17	9/26																		
411	Injector LCW turn on	1 d	9/17	9/17		MSG																
412	SPEAR LCW Turn On	1 d	9/20	9/20		MSG																
413	LCW flow checks	5 d	9/20	9/26		MSG																
414	OTHER BEAM LINE PROJECTS	208 d?	1/21	11/5																		
415	Beam Line 3	9.5 d	7/30	8/12																		

