

**\*\* SPEAR Maintenance 3/22-23/04 \*\***

:-( Artemis

			Dur.	Mon	Tues
RSWCF: SLM wall plug	Ringwall			x	x
Outages:					
SPEAR: Lock up and Search Test kicker pulsed supplies (spear)			3		2:00pm 4:00pm
<b>BL:</b>					
Rinstall the BL 2 pinhole.	JR and Curtis		2	x	
<b>Facilities:</b>					
<b>Controls:</b>					
<b>Electrical:</b>					
1. Kicker Pulser Compensation Board Install	Taylor; Rafael; Sebek; Wachter		8	X	
Test	Pappas		3		X Tues evening
2. Parallel Processor: Crate 3 and 4 install digital control board and cable	Wachter		2		

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3.	parallel processors, BPM timing system re-config. Bldg 132 & 116 time stamp for parallel processors	wachter	12		
4.	Injection kicker tripped on crowbar fault	Taylor, Johnson	2		
5.	Ion gauge readouts - 11G-IG-TSP3 and 12G-IG-BL06, 12G-IG-TSP2 and 13G-IG-BL05, 06G-IG-BL07 and 06S-IG1	Ortiz	4		
6.	Booster access for: - White circuit CAP inspection - Kicker crowbar inspection - Calibrate new white circuit interface board (requires booster lock out)	Rafael	3 2 4	X X Evening PS Test	Morning
	<b>MECHANICAL:</b>				
1.	Mechanical inspections	Eddie Guerra)	.5	X	
2.	<b>Insertion Devices:...</b>				
	<ul style="list-style-type: none"> <li>Reestablish gap limiting hard stops and limit on 4&amp;7 IDs</li> <li>BL-5 Insertion device checkout EPU #2 repair LVDT</li> <li>BL-11 Insertion device cover</li> <li>BL-5 Insertion Device, install side covers Poling</li> </ul>	Ernst Ernst Poling Poling	8 4 16 4	x  x	  x x x
3.	LION, Install LION test cable in Quadrant 3	Ernst	8	x	
5.	Move BL1-0 Vat-Valve panel for better access	Woodcock	2		
6.	Install LCW onto DCCT	DiMattia	2	X	

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7.	Replace 9S 1" strainer screen to 40 mesh	Woodcock	2	X	
8.	LCW, check flows on selected 50Q, BM1, BM2, and absorber circuits	G. Woodcock, J. Guerra	4	X	
9.	SPEAR - install S4 phase II shielding	MSG, Boyce		x	X
10.	Install 7 remaining step up plates	Anzur	3	x	
12.	Inspect magnet busses in SPEAR	(Dell'Orco, MSG)			
13.	Perform vibration measurements on magnets/girders	(Dell'Orco)			(Monday 6 pm)
14.	Inspect Linac/Booster/BTS magnets	(Dell'Orco, Ernst)		x	
	Postponed from previous maintenance day:				
8.	HCW-- Install new chemical automatic feed pump by	Shin, SEM	4		
9	Plug misc. cracks between shielding blocks in the ring	MSG, Scott			
	<b>RF:</b>				
	<b>Vacuum:</b>				
1.	SP3: Ring walkthrough, visual inspection of Accelerator and BL vacuum systems.	Pak, Wiertel	.5		
2.	SP3: Support EDM efforts to resolve ion gauge readback errors.	Pak, Morales, EDM	6		

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3.	SP3: Design IP and IG protective covers at several bend magnet "crawl-over" areas in the ring.	Anzur, Morales, Pak	1		
4.	SP3: Setup RGA at 14G, take initial data scans.	Morales, Pak, vendor, Raby	6		
5.	Injector BTS: Repair vacuum leak at rubber tubing joint.	Nalls, Pak	3		
6.	BL1: Support MSG effort to move 1-0 IV1 pneumatic panel control to SPEAR3 aisle side.	Wiertel, Bach, MSG	4		
	BL Related:				
7.	BL8, BL10: Cut, reterminate, re-route several long IG cables.	Yott, Wiertel, et al	3		
8.	BL9-1, -2: Evacuate Ar interspaces.	Wiertel, Bach	2		
9.	BL5: SGM installations, prepare for Mar. 25 BL commissioning.	Jacobson, Neal, Wiertel	4		
10.	BL11: Prepare for Mar. 26 BL commissioning.	Jacobson, Neal, Wiertel	3		