

**** Summary of SPEAR/Beamline Maintenance for 2003 Run ****

	<u>DECEMBER 9th</u>		
	SP3 Related:		
1.	SPEAR 2 Removal/Keep Component Tagging: Vacuum - Vacuum component and cable tagging. Electrical - Mechanical -	Neal, Nall, Morales EDM MSG	4 hr 2 hr
2.	Review Ring LCW Systems - (measurements and pictures).	Nzeadibe	2 hr
3.	Cable Plant Inspection: Tour of ring and pictures	Mario Ortega, Ponce Rodriguez, Robert Fuller	8 hr
4.	AC Power: Verification of panel circuit breakers per test procedure.	Bellomo/Widmeyer	8 hr
5.	Identify electrical hazards for SPEAR 2 demolition in Ring and BTS (entry through the E-gate)	Guerra	2 hr
6.	Septum Raft: <ul style="list-style-type: none"> Weld tooling ball sockets to I-beams (needs smoke detectors off) Fiducialize 	Trautwein: MSG Alignment	6 hr
7.	<ul style="list-style-type: none"> Alignment: survey roof block by BTS for replacement (2-3 for 1 hr) Examine/begin concrete cut line marking around ring (2-3 for 2 hrs) Tour of ring for Procurement staff: 4-5 for 1 hr General SPEAR3 ring examination: everyone for all of the time!! 	Boyce: Alignment Alignment BIS Staff SPEAR 3 Staff	1 hr 2 hr 1 hr 6 hr
8.	Review Vacuum System dis-assembly procedures	Nanyang, Morales, Scott, Boyce	
9.	BL4 & BL7: Measurements for the encoder, motor and other cables. BL5 & BL6: Identify cables to be pulled back for SPEAR 3 installation	Dao	3 hr
10.	Re-route or restrain LN2 boiloff lines at the following locations: BL1, BL3, BL5, BL6, 2S3, 3S4, 17S18, East Straight	Wiertel, Jacobson, Neal	6 hr

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11.	Finish SPEAR 3 girder location stenciling.	MSG	4 hr
	SP2:		
1.	Investigate QF/QD power supplies for CAP over-current fault.	DeLira, Taylor	4 hr
2.	Injection System Diagnostics - inspect and repair as necessary Beam profile monitors screens/cameras	Calloway	4 hr
3.	Cable tray installation at beamline 2 in the ring. (For Horton)	Shewchuk	8 hr
4.	Check receptacles at beamline 1 in the ring.	Shewchuk	2 hr
5.	North Actuator Monitor chassis: Determine the root cause for the problem with the channel selector switch.	Dao	4 hr No Access
6.	<ul style="list-style-type: none"> • Mechanical inspections. • Install extension cords w/GFI on one sump pump in east and west pit. 	MSG	Access required
	Injector:		
7.	Booster: Mechanical inspections	MSG	Access required
8.	Booster RF HVPS soft start box - add cooling fans and air filters.	Wachter	6 hr
9.	Vacuum Systems visual inspection walkthrough.	Wiertel, Neal	.5 hr
10.	BL4--Inspect 4-0 IG3 (blown filament?).	Wiertel, ?	.5 hr
11.	BL 118 Power Supplies - change filters	JHostetler, Theobald	2 hr
	<u>JANUARY 13th</u>		
	SP3:		
1.	ID Cables - identify for BL9,10,11	EDM	
2.			

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	<u>MARCH 3th</u>		
	SP3:		
1.			
2.			

<http://www-ssrl.slac.stanford.edu/ets/Schedules/SPMaint/M12-09-02.pdf>