

**** SPEAR/Beamline Maintenance list for Tuesday 2/10/04 ******Guidelines for the SPEAR maintenance/down period.**

- Beam dumped at 06:00 for maintenance.
- Access ~06:30
- Lock & Tag as necessary upon entry.
- Remove L&T upon leaving!
- Check in with Operations prior to access and after access.
- Inform SPEAR operations of status maintenance task at end of the day
- The Accelerator Systems Managers MUST be involved with all activities related to their systems.
- SPEAR Operations & Accelerator System Managers MUST confirm that systems are ready for operations prior to 14:00 on Tuesday

**** SPECIAL instructions:****** ES&H Reminders:**

	SPEAR Lock up and Search Startup: • -		3 pm
	BL:		
	Install vinyl bellows covers.	JR	
	Facilities:		
	Controls:		
1.	Reboot prymatt (solaris machine used by SPEAR RF).	Allison	10-11am
	Electrical:		
1.	1) Beam current monitor sub-harmonic evaluation (~ 4 hrs)	Wachter	6 hr
2.	1) Optimize motor speed and acceleration time for BL4, BL5 & BL7	Wallters, Dao	3 hr
3.	Photon BPM signal processing check Test tone cables ID check	Wachter	5 hr 2 hr

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4/	<ul style="list-style-type: none"> • Check Ground circuit protection • Inspect the filter Capacitor in Bias PS • Measure the capacitance • Check the 10 Hz filtering elements on White Circuit • Measure Cx, Cy and Co • Measure the resonance circuit Cx - Choke and Cy - Choke • Determine L choke • Check threaded rod tightness on pulse choke (coordinate with Domenico/Ernst) • Inspect ground path in Bias, Pulse PS and White Circuit enclosure. • Inspect Connections throughout the White Circuit and Tunnel (time dependance). 	Rafael, etal MSG	8 hr
	MECHANICAL:		
1.	Mechanical inspections	Eddie Guerra)	.5 hr
2.	Check any flows and switches as needed	Woodcock	1 hr
3.	BL-5 insertion device <ul style="list-style-type: none"> • Move undulator vac chamber, +2mm elevation • Magnet checkouts at min. gap • Final survey, horiz. And vert. 	Pak, et al. Ernst, DiMattia SLAC Align	7-10 am 10-12 am 1-3 pm
4.	Replace front end LCW valves BL circuit old valve new valve bl4wfs2 n600ss n400ss bl4wfs7 n600ss n400ss bl5wfs2 n600ss n400ss bl8wfs1 n600ss n400ss bl5wfs3 n800ss n600ss Install Front End strainers Install .015 screens in straight section strainers.	French, Poling Poling, Woodcock, French Eddie Guerra, DiMattia	4 hr 8 hr 7.5-hr

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5.	Booster:- investigation of White Circuit noise/vibration	Dellorco	
	RF:		
	Vacuum:		
1.	SP3: Ring in-alcove walkthrough, visually inspect BL's and Accel. vacuum systems.	Pak, Wiertel	.5 hr
2.	SP3: Replace Ion Pump PS circuit boards to "fix" analog readback problems.	Pak, Ortiz, et al	4 hr
3.	SP3: Continue vacuum system component labelling.	Pak	1 hr
4.	SP3: Add bellows TC's or review TC additions	Jacobson, Pak, Kurita	1 hr
5.	5. SP3: Prepare for IP pump tests on fully instrumented girders 3 and 14.	Pak, Kurita, Morales	1 hr
6.	SP3: Check RGA RocketPort card and configure software	Rarback, Morales, Pak	2 hr
7.	Inj. BTS: Repair leaky vacuum hose clamp (requires venting the BTS vacuum section).	Nalls	?--4 hr
8.	BL's 4, 5, 6: Verify vacuum component nomenclature, label components accordingly.	Jacobson, Neal	3 hr
9.	BL's: Continue Functional Diagram updates.	Wiertel, Neal	3 hr