

**** SPEAR/Beamline Maintenance list for Tuesday 1/27/04 ******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		3 pm
	Startup: <ul style="list-style-type: none"> • Run RF, no beam, test software changes-(moved to Wed) • Booster - measure tune of White Circuit (if cell tuning needed schedule for Feb 23-29) 		1 hr
	BL:		
1.	BL6 alcove: <ul style="list-style-type: none"> • Install Beam Position Monitor limit switch assembly • Install strain-relief bracket for the water cooling lines on a secondary mask 	Stefan	1 hr
	Facilities:		
	Controls:		
1.			
	Electrical:		
1.	Set up and check test tone signal to the ring.	Wachter	6 hr
2.	Photon BPM cables TDR and power up	Wachter	6 hr
3.	SPEAR 3 HV kicker inspection	Wachter	1 hr
4.	Troubleshoot BL5 EPU#3	Dao & Wallters	8 hr
	MECHANICAL:		

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1.	Mechanical inspections	Eddie Guerra)	.5 hr
2.	Install water channel over building 118 switch gear	Gary Woodcock	3 hr
3.	BL5 ID <ul style="list-style-type: none"> • Horizontal repair • Resume checkouts if time allows 	Ernst, DiMattia, Trautwein Ernst, DiMattia	8 hr
4.	Install Beam line 4 insertion device cover	Ben Poling, Eddie Guerra	8 hr
5.	Check any flow switches as needed	Woodcock	2 hr
6.	Remove TCs from BL11 ID	Woodcock?	.5 hr
	RF:		
1.	Set the RF PS pressure sensor to 160psig trip point	Gary Woodcock	3 hr
	Vacuum:		
1.	SP3: Ring in-alcove walkthrough, visually inspect BL's and Accel. vacuum systems.	Pak, Wiertel	.5 hr
2.	SP3: Install IP ball plunger stops at Straight Sections 9 and 10.	Jacobson	1 hr
3.	SP3: Vacuum bellows t/c installation-- possibly install in 2 locations (TBD), route and connect to reference plane, etc.	Jacobson, Kurita, et al	2 hr
4.	SP3: Replace Ion Pump PS circuit boards to "fix" analog readback problems.	Pak, Ortiz, et al	4 hr
5.	SP3: Continue vacuum system component labelling.	Pak	1 hr
6.	SP3: Check RGA software and hardware installation.	Morales, Pak, et al	2 hr
7.	BL's: Label IP's and IG's, continue updating BL Functional Diagrams	Wiertel, Neal, Jacobson, et al	4 hr
8.	Injector BTS: Repair leak at hose clamp.	Nalls, TBD	4 hr
9.	BL5 SGM: Continue installation activities close to the ring wall.	Jacobson	2 hr