## SLAC MEMORANDUM

TO:	LCLS/ESA, LCLS OPS, EOICs		DATE: 18-Jul-2007
FROM:	Rick Iverson		
SUBJECT:	Linac/ESA electron beam startup checklist for T-493: Undulator magnetic material irradiation experiment		
Schedule: T-49	3 uses LCLS be	eam to ESA from Ju1 27 to Aug 10	, 2007
Purpose: To pr magnets.	ovide experime	ntal measurement of the radiation d	amage sensitivity of LCLS undulator
Primar		rons to CA11 PR-55 at 13.64 GeV. eV, 3E+09 electrons/bunch, 1-30p; 2% (minimum).	
2) These		to start with. After the first shift, e saved that are more current.	
BSY-E	Y Magnet ESA Magnet IDESA BPM LI30	config NOR #54 09-Jul-07 "Las config NOR #486 09-Jul-07 "Las config NOR #149 09-Jul-07 "Aft config NOR #287 25-Jun-07 "wi	st LCLS 13.6 Gev to ESA" ter linac steer and LEM"
3) Verify	that the BAS is	s signed off and the Beam containn	nent items in the BAS are active.
4) Check	that the ESA B	CS and MPS are made up.	
-Verify -Bring -*Note -Steer	that the LI23 & the beam straig the straig that is not necess with CA11 XCO	ers are ready for beam, LI29 feedbacks are on and working that the PR2 just upstream of D sary to degauss 50-B1. Just do "LCOR 9 & 34 and YCOR 10 & 35 to 2 & A4V to zero BPMS,CB00,50.	-2. GPS OFF".
-Go to	no access, pull	the vacuum valves etc.	
-Set th -Bring -Touch -Call tl -Cente -Cente -Pull th	n up steering and ne experimenter r the beam on 3 r the beam on 3 nese profs before	•	reference orbit listed above. reens 3PR2 and 3PR4. 29.