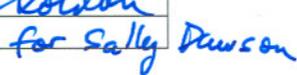


BROOKHAVEN NATIONAL LABORATORY PHYSICS DEPARTMENT		Number: PO-P-ATF-0010 Effective: 09/01/2006	Revision: 3.1 Page 1 of 1
		Subject: ATF Klystron/Modulator Preventive Maintenance Procedure	
Reviewed by ES&H Coordinator: 	Approved by ATF Head: 	Approved by Department Chair: 	
BNL Electrical Safety Officer: James T. Durnan 		 for Sally Dawson	

ATF Klystron/Modulator Preventive Maintenance Procedure

1. Work to be performed by authorized technicians, only. Proper personal protection equipment (PPE) must be used. This consists of safety glasses with side shields, long-sleeved natural fiber shirt and natural fiber pants.
2. Red-tag and Lock-out AC power in accordance with BNL ES&H Standard 1.5.1 Lockout/Tagout Requirement.
3. Verify lights are out on high voltage power supply then press start button to verify supply is not on.
4. Using attached/bonded grounding stick, shunt all high voltage points to ground. This includes supply points and capacitor terminals. (Diagram)
5. Hang ground stick on high voltage feed terminal.
6. Check for any loose connections. Retighten as necessary.
7. Make visual inspections of all capacitors for swelling, cracks or oil leaks. Replace units as necessary. Disposal of discarded capacitors must follow proper handling steps.
8. Vacuum or wipe all components to remove dust and debris.
9. Remove ground stick and LOTO. Restore unit power for normal operations conditions.