GEn Pre Beam Checklist Datetime		
This checkl	list will be performed after every restricted access to Hall A that maintenance is performed	
	esponsible for checklistnecking list	
Left Ar	m (Old Electron)	
Spectrom		
	ogie power is Off	
Cl	heck intergen bottles for correct pressure asure that Intergen alarm switch is in the normal position	
Right A	arm (Old Hadron)	
	ogie power is Off	
	heck intergen bottles for correct pressure	
	sure that Intergen alarm switch is in the normal position	
Right A Magnet c	arm (Old Hadron) controls	
or	1 full of liquid (60%) pen lead flows on Q1 to 80 slm as read from rack #Q172Q etual lead flows A B	
cc	etv camera on and focused	
D1	ingle full of liquid (900/)	
	ipole full of liquid (80%) pen lead flows on Dipole to 80 slm as read from rack #D172Q	
-	etual lead flows A B	
Q2		
_	2 full of liquid (80%)	
	pen lead flows on Q2 to 60 slm as read from the Q2 instrument rack meter. Extual lead flows 1 2	
	sure that lead heaters are on and operating	
Q3		
Q	3 full of liquid (80%)	
ac	pen lead flows on Q3 to 60 slm as read from the Q3 instrument rack meter. etual lead flows 1	
In	sure that lead heaters are on and operating	

Right Arm (Old Hadron)

Powe	er supplies
	POWER SUPPLY TURN ON PROCEDURES
	Verify UPSs as operational on all power supply controls (with no current on
magne	ts only)
	Red rotating beacons on
Q1:	
C	Visual inspection of main current leads, dump resistor, and lead flags (for
ondit	ion, visual shorts, etc.)
	Unlock power disconnect switch and turn on AC power
	Visually check power supply for faults
	When all faults have been cleared, insure that power supply is in remote control
Q2:	
	Visual inspection of main current leads, dump resistor, and lead flags (for
condit	ion, visual shorts ,etc.)
	Unlock power disconnect switch and turn on AC power.
	Turn on both sets of three pole breakers located on power supply.
	Visually check power supply for faults.
	When all faults have been cleared, lift lever on lower right side of supply.
	Insure that power supply is in remote control.
Q3:	
	Visual inspection of main current leads, dump resistor, and lead flags (for
condit	ion, visual shorts, etc.)
	Unlock power disconnect switch and turn on AC power
	Turn on both sets of three pole breakers located on power supply
	Visually check power supply for faults
	When all faults have been cleared, lift lever on lower right side of supply
	Insure that power supply is in remote control
Dipole	:
	Visual inspection of main current leads, dump resistor, and lead flags (for
condit	ion, visual shorts, etc.)
	Unlock power disconnect switch and turn on AC power
	Turn on power lever on right upper side of supply.
	Visually, check power supply for faults on supply and at rack #OD172Q.
	When all faults have been cleared, insure that power supply is in remote control.
	Cctv camera on and focused
	Check power supply for proper polarity positive negative
	NMR gradient compensation for on and proper polarity
	Positive negative

Target

	Insure that all window shielding is installed Inspect laser enclosures for possible light leaks and note any anomalies Drain He3 air compressor at tank and separator Insure that target ventilation system is on, Insure that that the laser balcony ladder is secured Insure that target is clear of trip hazards and equipment Insure that the target camera and light are operational
Exit (beam tube
	Diffuser cooler on
	Diffuser water level ok
	Backing pump "on" at pump and operational
	Valve "open" (temp manual at pump)
	Turbo "on" at rack # 1H75B09
	Gages operational
	Convectron "<5" millitorr at rack # 1H75B09
	Actual convectron reading
	compensator magnet cooling fan is running
Entre	ance beam tube
	Insure that Beam line turbo is on and running
	Insure that there is cooling water flow to the Moeller Dipole
	Insure that EP turbo is on and running
	Inspect exit window and note any anomalies
	Instrument air compressor functioning normally
after to operate could	Call MCC, get the name of the person you talked to and say "I am doing the Hall beam checklist, Please Insure that the Hall A beam line valves are set to close" hey say that they are, say "I am turning the control key from maintenance to cional are you ready" after they say yes, turn key and tell them "you have control you please open the valves so that we can verify operability make an e-log entry" of the operator that you spoke to
	Beam line vacuum valves "open" (visually checked)

Hall

	Insure that the Big Bite power supply is on and that the lights work
	Insure that the target magnet power supply is on and that the light works
	All interlocks in rack # 1H75B08 indicate green except target entrance and exit
valves	Thi meriocks in tack # 11175B00 indicate green except target entrance and exte
varves	Check 3 Moeller power supplies for on (usually remote)
	Insure installation of Ion chambers at EP, target, and 2 at beam dump
	Correct LCW flow and pressure (100 psi supply and 60 psi return)
	Cctv cameras on and focused
	Cctv monitors at X terminal off
	Clear of unnecessary equipment
 storage	Insure that all lifting slings and safety harnesses are correctly stored and that the cage is at least 90 deg from the beam dump and at least 60 ft from the target
	Perform pre sweep of run safe boxes.
	Unnecessary personnel exit Hall.
	Insure polar crane is positioned over the entrance beam pipe, and that power is off at the power disconnect switch
	Ensure operability of shield house doors
	Deliver checklist to shift leader or run coordinator
	Name of person checklist was delivered to