

Job #	Contact	Crew	Category	Job Description	% Done	Status/Notes
8228	Bernie x4769	Wisner, Sondgeroth, Bair	Diagnostics	SEM706 has no beam profile. We suspect the SEM preamp may have been damaged by radiation, and they will need to be replaced. These two preamps were last replaced in Nov 2004.	0%	Scheduled for 10/8 or 10/9
9064	David Peterson (x3073)	Peterson, Dilday or Sheahan	Diagnostics	The A60 exhaust fan flow switch was bouncing to bad status recently.	100%	Experts tested the system and could not repeat the problem.
9100	David Peterson (x3073)	Peterson, Dilday	Diagnostics	Check Sten style AP2 BPM cards for proper insulation along internal mounting rail.	0%	Need an update
No Job #	Bob Dysert	Bob Dysert	Diagnostics	Work on bimodal output of P1 line BPMs	100%	Disconnected the MI RF input to the 74MHz digitizer clock board for the P1 line BPMs. This should eliminate the bi-modal behavior observed on HP706 during stacking. There is a PLL on the 74MHz clock board that will attempt to lock the RF output to an input source, but this PLL was designed to lock to the TeV ramp and could not keep up with the much faster MI ramp.
8683	Chuck Worel (x4836)	Interlock Group Technicians	ES&H	Check ground fault voltage circuit of the Pre-Vault Safety System. This may drop the secure of the enclosure depending upon what we find.	100%	10/7/08: Ground fault found. Board that went bad.
8913	Dale White (x6524)	rct	ES&H	Change Detectors	100%	Done 10/6/08
8974	Randy Zifko (x4450)	Safety Techs	ES&H	Test the PBar (PV/V/Xport) CDC	100%	Done 10/6/08
8975	Randy Zifko (x4450)	Safety Techs	ES&H	Test the PBar PT/PV/V/Xport CDC	100%	Done 10/6/08
8976	Randy Zifko (x4450)	Safety Techs	ES&H	Test the PBar ACC/DEB CDC	100%	Done 10/6/08
8989	Randy Zifko (x4450)	Safety Techs	ES&H	Test the Transport ESS	0%	Scheduled for evening of 10/8/08
8991	Randy Zifko (x4450)	Safety Techs	ES&H	Test the Pre-Target ESS	0%	Scheduled for evening of 10/8/08

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8992	Randy Zifko (x4450)	Safety Techs	ES&H	Test the Pre-Vault ESS	0%	Scheduled for evening of 10/8/08
8993	Randy Zifko (x4450)	Safety Techs	ES&H	Test the Vault ESS	100%	Done 10/6/08
8994	Randy Zifko (x4450)	Safety Techs	ES&H	Test the ACC/DEB ESS	0%	Scheduled for evening of 10/8/08
8995	Randy Zifko (x4450)	Safety Techs	ES&H	Test the ACC/DEB Rad Monitors	100%	Done 10/7/08
9027	Randy Zifko (x4450)	Interlock Group	ES&H	The light beam at Intlk #1 seems to be broke or out of alignment. This is not a problem now, but it will be if the interlocks are broken at any time. If not before we will fix this at the shutdown.	100%	Done 10/6/08
9113	Mark Obrycki (x4836)	Obrycki Federwitz	ES&H	Add Pre Target ESS permit to Lithium Lens permit	0%	Needs to be added to the shutdown
No Job #		TD	Failure	HV100 magnet #4 (PBR2) LCW leak to be fixed in place by Inpeng Somayovony	0%	Ceramic repair scheduled for 10/8/08
No Job #		Water tech's	Failure	LCW leak on IB1	0%	Sprayer on flare nut. Scheduled repair evening 10/7/08
No Job #		Water tech's	Failure	LCW leaks on A3S12 and A1S10	0%	Scheduled repair evening 10/7/08
No Job #		Obie	Failure	A:IB Contactor may need to be replaced.	0%	Experts will test further 10/8/08
No Job #		Gusler	Failure	BV728 air leak.	100%	Done 10/7/08. Experts cycled valve and the leak stopped.

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No Job #		Water tech's	Failure	LCW leak on D2Q5 black hose.	10%	Valved out. Scheduled repair evening 10/7/08
No Job #		Water tech's	Failure	LCW leak on D4Q5	100%	Replaced leaking Black 1/2" hose with Kynar
No Job #		Water tech's	Failure	LCW leak on D4Q7	100%	replaced 2 90 deg. elbows and adapter along with two 3/8" orange hoses
No Job #		Water tech's	Failure	LCW leak on A5Q1	100%	Changed leaky orange hose
7302	Bernie x4769	Obie, Bernie, Chuck	Kickers	Replace the aging matching capacitors, in the high voltage feedthroughs, on the kicker tanks, for AIKIK and AEKIK.	40%	Scheduled 10/8/08
8528	Bernard Wisner (x4769)	B. Wisner, C. Bair, Obie	Kickers	The electrolytic capacitors in the Spellman high voltage power supplies need to be replaced, in A:IKIK, A:EKIK, D:IKIK and D:EKIK. They have shown signs of failing recently, and this has lead to the power supply being more seriously	100%	Done 10/7/08
8730	David Peterson (x3073)	Peterson, Obie, Wisner and maybe kicker experts	Kickers	Look at voltage on each end of kicker during pulse. Also do low energy hi-pots to determine breakdown threshold and polarity dependence. This job will NOT be done if job #8813 (bake out A20 kicker tank) is done.	0%	Can not be done. The voltage to ground of the kicker is a couple hundred kilo-ohms. This is design. Three is not a DC hipotter available that can supply the necessary voltage.
8813	Henry Gusler (x4436)	Gusler and Crabtree/ Budlong	Kickers	Bake out A20 kicker tank and shutters to improve the voltage level on the kicker module #1. This job will NOT be done if job #8730 (Hi-pot tank) is done, since the two jobs are not compatible.	0%	Not being done.
8307	Mark Dilday (x3757)	Mark Dilday, Greg Brown	MISC	Measure wireless signal at selected areas in PBAR tunnel.	0%	Need an update
8715	Jerry Makara (x5584)	TBA; Mike Hentges	MISC	Add an automated exhaust fan near the LHe Notch Filter dewar/distribution box for activation upon ODH alarm, similar to unit installed in the Refrigerator Room. Requires tie-in for electrical and building wall access. M.Hentges to	0%	Need an update
8720	Gary Lautenschlager (x8360)	Lauten and Albertus (?)	MISC	Measure labyrinth dimensions for a permanent door that may be installed in Oct shutdown. This is prep work or Job #8785.	100%	Done 10/6/08

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8785	Merrill Albertus (x3011)	1 carpenter, 2 techs (to be announced later)	MISC	Install new door at AP1 in tunnel to control air flow upstairs. Measurements will need to be made before door installation, which is job #8720.	0%	Measurements were made; however, it appears that we won't be able to arrange for a contractor during this shutdown.
8793	Oliver Kiemschies (x3721)	Sasha Makarov (for day 1) and two TD Techs (for both days)	MISC	There are 4 SDFW magnets installed in the AP-2 line. We would like to install braces around the flag connections to avoid failures similar to that which occurred on July 29,2008 to IB7. Job 8804 is prep work for this job.	50%	Ran into a problem fitting the braces in place, resulting in a modification required on the braces. Scheduled to finish by 10/8/08.
8804	Oliver Kiemschies (x3721)	Oliver Kiemschies and/or Sasha Makarov and/or	MISC	TD would like to inspect the flag braces on the 6-4-120 (SDFW) magnets in the AP-2 line. This is preparatory work for Job 8793.	100%	Done 10/6/08
8808	Henry Gusler (x4436)	Gusler and Crabtree	MISC	Remove collimators from pbar tunnel thru APO hatch after removing blocks from hatch. Return blocks to hatch. This will require Supervised Access conditions.	100%	Done 10/5/08
8826	Stanley Johnson (x8684)	srj and ops	MISC	Change the digital control from C119/C165 cards to C465 cards for the AP1 120 Gev supplies. The C465 cards are already supplying the Power supply references. This will allow C119 and C165 cards for those supplies to be removed.	80%	Bad cable for HV100. Q109 is still not cabled for 465 card. We plan to address these problems by Friday.
9024	Darrell Sigmon (x8665)	Contractors	MISC	Darrell Sigmon has made arrangements to have contractors address the "no work area" AP50 cooling system. The plan is to replace the existing system with a new system, and relocated it across the hall. Arrangements have been made to	60%	A new unit was installed across the aisle from the old unit. Pipe work, etc.. Is in progress
9111	Henry Gusler (x4436)	Gusler and Crabtree	MISC	install new air line transducers to read back air pressure	80%	New transducers were installed, but one of the transducers was bad. Experts locating new transducer. Controls experts will need to modify CIA crate to accept these new readbacks.
7944	Susan Sprosty x4079	FESS	PM	PM PANELS SUMP PUMPS AND TOTAL PM RELAMP AP10 TUNNEL THROUGH AP60 AND TUNNEL GOING TO APOTH	0%	Need an update
8853	Donald Poll (x4616)	Budlong & Poll	PM	Test all safety lights in the underground enclosures associated with the PBar source.	100%	10 emergency lights failed test, three exit signs failed the test or have a bad bulb, and three flourescent light fixtures need new bulbs. List sent to work central. Work request # WO408941 http://fess-oracle-
8917	Timothy Griffin (x5144)	fess ops	PM	pm air compressors, exhaust fans, pumps,& sump pumps	0%	Need an update
8920	Herb Wyeth (x3467)	Two HVAC Tech's	PM	PM HVAC Units, AP0TH, AP093, AP092, AP079, AP082, AP078, AP091.1, AP216, AP079, AP082, AP078	0%	Need an update

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8934	Robert Brooker (x4700)	Ken Sievert; John Brown	PM	Replace Ion Pump Power Supplies that have bad fans.	100%	Done 10/7/08
8575	Bernie x4769	B. Wisner, C. Bair, Obie	Power Supplies/Shunts	Install three more high temperature 3/0 cables, from the main circuit breaker CB1, to contactor K1, inside A:LQ power supply. This will decrease the current through the existing cables, and decrease the temperature at the cable's co	100%	Done 10/7/08.
8817	Bernard Wisner (x4769)	B. Wisner, C. Bair, M. Dilday, Obie	Power Supplies/Shunts	The 20 amp D:QS716 shunt and/or its bias power supply, needs to be replaced, because its output current is limited to 2 amps.	0%	Scheduled for 10/8/08
9031	Chuck Bair (x4696)	Obie, B. Wisner, and C. Bair	Power Supplies/Shunts	Apply Ground to bases of the Crowbar (Deadman) Relays, on Collection Lens Power Supply (D:LNV). It was discovered that the Crowbar bases should always be grounded, to prevent a charge from building up on them.	100%	Done 10/7/08
9082	Bernard Wisner (x4769)	B. Wisner, C. Bair, M. Dilday, Obie	Power Supplies/Shunts	Replace D:QS917 shunt. The 50 amp shunt, needs to be replaced, because its output current is limited to 27 amps.	0%	Scheduled for 10/8/08
8865	David Peterson (x3073)	Peterson, Dilday	RF	Replace ARF4 VME crate. The 6-slot crate is back from repair. It needs to be swapped in to free up the borrowed 21-slot crate.	100%	Done 10/7/08. There was a problem with the repaired crate, so experts had to switch to yet another crate.
9061	David Peterson (x3073)	Vander Meulen, Peterson, others	RF	The ARF1 low level racks in AP50 need changes to the air flow.	0%	Experts scheduled to look at this on 10/8/08
9063	David Peterson (x3073)	Vander Meulen, Peterson, others	RF	Connect ARF1 synthesizer to low level system for phase locking at beam pickup frequency.	100%	Done 10/7/08
8640	Wesley Mueller (x4698)	Wes Mueller, Pete Seifrid, and water group personnel	Stochastic Cooling	Install vortex flow switch on main return line into chiller upstairs in AP50.	100%	Done 10/7/08
8889	Peter Seifrid (x4699)	Seifrid/Mueller	Stochastic Cooling	Reconnect the control and readback cables to the Debuncher bypass notch filter trombone D:PBTMF	100%	Done 10/7/08
8958	Peter Seifrid (x4699)	Seifrid/Mueller	Stochastic Cooling	Clean and check all the optical connection in the Debuncher Notch Filter.	100%	Done 10/7/08

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9053	Peter Seifrid (x4699)	Seifrid/Mueller	Stochastic Cooling	Install new Equalizer in each 4-8 Ghz. Vert. Betatron Systems.	100%	Done 10/6/08
9054	Peter Seifrid (x4699)	Seifrid/Mueller	Stochastic Cooling	Install Flow switch on the Neslab Chiller in AP 50	100%	Done 10/7/08
9099	Peter Seifrid (x4699)	Seifrid/Mueller/Pasquinelli	Stochastic Cooling	Make Intermod Measurements on both of the 4-8 Ghz. Core Momentum TWT's.	0%	Cannot start this job until the Pbar 95-deg LCW is back online.
8891	Bernard Wisner (x4769)	B. Wisner, C. Bair, D. Peterson, Obie	Target Hall Lens	The Collection Lens, Bias power supply Interlock, is currently disabled. The jumper on the Interlock pc card, needs to be removed, and the Interlock circuitry needs to be checked out.	20%	Work in progress
8905	Anthony Leveling (x4041)	Obie, Bernie, Leveling	Target Hall Lens	Collection Lens Power Supply: Several small jobs are necessary. 1. Replace the Burndy connector and cables which connect to the crowbar circuit; the hope is larger gauge wire may help to prevent further trouble with this circuit. 2. Remove	20%	Work in progress
9048	Anthony Leveling (x4041)	Schultz, Kelly, LeBeau, Ford, RCT, Leveling	Target Hall Lens	Hipot collection Lens transformer. The 10 mm-5 transformer will have been in service for 3 weeks at the beginning of the SUMMER 2008 SHUTDOWN. Hipot the transformer to check its condition. Reservoir tank level dropped 5.25" since	95%	HiPot 100% done 10/7/08 Pressure test 90%
9060	Anthony Leveling (x4041)	Wisner	Target Hall Lens	A new cable needs to be pulled into the lower vault for the new collection lens module. The purpose of the additional cable is to stabilize the inner and outer eccentric resolver read backs. This work is not required to be done UNTIL the new collection	100%	Done 10/7/08
8805	Anthony Leveling (x4041)	Leveling, Kelly, Schultz	Target Hall Misc	A number of problems were identified when 10 mm-2 was removed from service on 8/14/08. Need photographs of clamp ring assemblies, transformer cooling water tubing, BeO block, and tie-rods.	0%	Not Done.
8850	Anthony Leveling (x4041)	Wisner, Schultz, LeBeau, Leveling	Target Hall Misc	The target SEM module signal wires have not been checked for continuity since the module was built. As part of the system checkout before installation of the new SEM, we need to ring out the target SEM module.	20%	Issue with connector. Scheduled for completion on 10/8
8896	Anthony Leveling (x4041)	Kelly, RCTs	Target Hall Misc	The target vault exhaust air filter (HEPA type filter) needs to be replaced during the summer shutdown. This job requires cooperation between the ES&H Department and MSD.	100%	Done 10/7/08
8984	Gary Lautenschlager (x8360)	S. Carrigan and one other qualified person	Target Hall Misc	Replace HEPA filter. The high efficiency filter will be replaced. After the filter is replaced, a filter integrity test should be performed. The "expert" is on vacation 10/8-9-10/08, so we would want to do this job 10/6 or 10/7.	100%	Done 10/7/08

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8845	Anthony Leveling (x4041)	Leveling, Kasugai, Matsuda	Target Hall T972	A set of metallic foils is to be installed in the AP0 target vault during the October 2008 shutdown. Collaborators from T972 (both Japan and Fermilab) will install samples in the lower target vault, in the air gap, on the concrete s	25%	25% complete. Foils on target done. Foils for air gap, penetration duct, and concrete cap to be done by 10/9
8240	Anthony Leveling (x4041)	Schultz, Kelly, LeBeau, Leveling	Target Hall Target	The target vault air pressure transducer response is falling due to radiation damage. Remove and replace target module air pressure transducer. This job can be done in conjunction with other necessary vault work.	100%	Done 10/7/08.
8579	Anthony Leveling (x4041)	LeBeau, Schneider, Wisner, Leveling	Target Hall Target	The present, local-only target air flow gage is to be replaced with a differential pressure flow gage/transducer that is to be connected to ACNET.	90%	10/7/2008
8764	Anthony Leveling (x4041)	Kelly, Schneider	Target Hall Target	Target blower/oil filter change. Oil and filter change are due again September 15, 2008	100%	Done 10/7/08
8844	Anthony Leveling (x4041)	Schultz, Kelly, LeBeau, Ford, RCT, Leveling	Target Hall Target	The pbar production target will be at the end of its life at the beginning of the October 6 shutdown. Remove target 9 (Hurr design) and install target 13 (LeBeau design).	95%	10/7/2008
8047	Leveling x4041	Kelly, Leveling, Wisner	Target Hall Water	Lens Water System: Three vortex water flow meters are to be installed on the collection lens water system. These will replace the existing flow turbines. Three to four hours of lens/transformer cooling time is requested before shutting	95%	10/7/2008
8372	Anthony Leveling (x4041)	Leveling, Kelly	Target Hall Water	Replace pressure transducer for D:LNWP3. Several hours of thermal cooling are required before isolating chill water system.	100%	Done 10/7/08
8654	Anthony Leveling (x4041)	Leveling, Kelly	Target Hall Water	The collection lens water system pump pressure head and flow are degrading probably due to normal wear/operation. A pump adjustment should be attempted. If this is not successful, replace the water pump. The adjustment can be attemp	100%	Done 9/12/08
8701	Anthony Leveling (x4041)	Grumstrup, Leveling	Target Hall Water	A water cooled target design is being considered for the antiproton target station. An access is required to plan (tape measuring/thinking) for the plumbing installation for the water cooled target.	50%	50% Planning Done Installation 10/8 or 10/9
8856	Anthony Leveling (x4041)	Leveling, Kelly	Target Hall Water	The collimator flow meter began to act erratically after the water skid was drained and refilled during recent pulsed magnet change out. Investigate cause of erratic behavior and correct. summer	0%	10/7/2008
8949	Anthony Leveling (x4041)	MSD, Leveling	Target Hall Water	Water cooled target planning. If time permits, we would like to begin installation of new set of cooling water lines in the AP0 water cage which are to run between the pulsed magnet water skid and the south vault penetration. The connection to the	50%	50% Planning Done Installation 10/8 or 10/9

