

task ID	task	start date	end date	personnel	Status
25213025	Assemble_start_counter_support_frame	1-Feb-14			Done
	Glue rohacel end caps		15-May-14	Heck	Done
	Develop west system epoxy/filler ratio			Heck	
	machine rohacel and aluminum hub		15-May-14	Mach shop	Done
	glue carbon fiber and rohacel	25-May-14		Heck	Done
2562393	Install_Gas_Handling_Sys_(FDC)				
	Install new relief valves		21-May-14	Spiegel	
	Install filters				Done
	Update P I & D			Damon	Done
	Get Argon manifold certs	2-May-14		Narciso	
	Release gas system analysis			Narciso	
	Get ODH analysis sign off	15-May-14	16-May-14	Tim	Done
	Install ODH alarms	June		PSS	
	Purge	21-May-14		Spiegel	Done
	hook up to FDC			Spiegel	Done
	hook up to CDC			Spiegel	Done
	Write operating procedures	3-Jun-14		Spiegel	
	controls	1-Jan-14		Butler	
2552006	Install__(TARGET)				
	Release install drawing			Tim/Getz	
	Blind penetration permit		16-May-14	Matt	Done
	program controls	1-Jan-14		Butler	
	power to crates/controls		16-May	Electricians	Done
	Desgn fab Xchanger	3-Jun-14		Matt	
	Determine location for hydrogen fill tank	3-Jun-14		Tim	Done
	install tube for hydrogen fill			Tom	
	mount tank to wall			Foyles	
	Install chilled water/heat exchanger			Casey	
	install temp switches			Butler	
	Fiducialize Target	June		S&A	Done
	pump down and leak check			Tgt Group	
	Release as built dwgs of target			Matt	
2553027	Install_Goniometer_(BL_Compnts)				
	Release goni lift rail analysis		3-Jun	Tim	Done
	Install/align goniometer	3-Jun-14			
	procure extension spool and bleedup port	13-Jun-14			
	Fab extension spool/bleedup	13-Jun-14			
	Install extension spool/bleedup port for vacuum				
	__Make up cabling			Scot	Done
	__connect all power/control cables	17-Jun-14		Scot	
	__test goni function			Hovanes	
2553055	Assemble_and_Test_Pair_convertor_(BL_Compnts)				
	Test repeatability	3-Jun-14		Slava/Hov	
	install foils			Anatoly	
	Build cables			Speigel	

	Fiducialize convertor				
	install in Hall				
	Align system			S& A	
	__hook_up_electrical			Scot/Hovanes	
	__Test_systems			Hovanes	
2553125	Reinstall_mounting_frame_for_low_granu	19-May-14	19-May	Blackburn	Done
	__Survey_and_align_(initial)				Done
2553157	Install_polarimeter				
	Design stand			Damon	Done
	complete vacuum chamber drawings			Damon	Done
	procure stand and vacuum chamber			Tim	
	__drill/tap_floor			Tom	
	__attach_supports_to_floor			Tom	
	receive device from ASU			Tom	
	Fidulcilize			S&A	
	__install_device			Tom	
	__Survey_and_align_(initial)			S&A	
	__check_counter_operation			ASU	
	Leak check			Tom	
2553195	Install_photon_beamline_to_dump				
	__drill/tap_rack		15-May		Done
	__attach_supports_to_racks	19-May-14	20-May	Foyles	Done
	Release thin window analysis			Slava	
	preform thin windows	14-May-14		Heck	Done
	__install_beamline	20-May-14	20-May	techs	Done
	Fab pump out lines.install pump			Josh	
	__leak_check			Tom	
	__Survey_and_align_(initial)			S&A	Done
2553210	Install_Total_Absorption_Counter				
	Release structural analysis			Wayne	Done
	__drill/tap_platform/wall	9-Jun-14		Tom	Done
	__attach_supports_to_stand/wall	9-Jun-14			Done
	__install_linear_stage	16-Jun-14			Done
	__installcounter				
	Install shelf for control equipment			Tom	
	__Survey_and_align_(initial)				
	Fab cabling for counter and liniar stage			Scot	
	Install cabling				
	__check_counter_operation				
	__write_controls			Butler/Hovanes	
2562080	Install_Hodoscope_(Installtn)				
	stabilize fixed array support structure	19-May-14		Casey	done
	complete microscope installation drawing			Rich	
	design/fab adapter plate for microscope support stand			Bill	
	__install_support_structure_microscope(jack table)				
	Fiducialize Microscope				
	__install_hodoscope_counters into plates				
	__align_hodoscope_counters				
	__install_microscope				

	_align_microscope				
	Install cable trays				Done
	Cable hodoscope	17-Jun-14			
	_hook_up_and_test_microscope_cooling_fan				
	Procure microscope shielding	13-Jun-14		Bill	
	_install_microscope_shielding				
	Fab/install shielding box			Bill	
	_program_microscope_adjustment_table				
	_Test_mechanical_systems				
2562165	Install_High_Granularity_Pair_Spectrometer_(Installtn)				
	_fiducialize detectors in dark box				Done
	_install_detectors			Sasha	
	_align_detectors			S&A	
	_install_dark_box			Tom	
	_Test_mechanical_systems			Tim	
2562170	Install_Photon_Beam_Profiler_(Installtn)	1-Jul-14			
	complete support design (w/IU)			Chuck/Frye	Done
	_attach_supports_to_stand/wall			Tom	
	_wiring			Hovanes	
	_install_device			Tom	
	_Survey_and_align_(initial)				
	_check_profiler_operation			Hovanes	
2562175	Install_Hydrogen_Target_and_SC_Inside_Detector				
	_fiducialize_start_counter				
	Fab target cover			Tgt Group	
	check alignment_target				
	_install_SC_on_to_target			Tom	
	complete design/blind work permit on vent stack			Matt	Done
	Sign off Target analyses (pressure system)	3-Jun-14		Tim	
	Incorporate target dwgs from target group			Matt/Getz	
	Install hydrogen vent pipe.leak check	3-Jun-14	19-Jun	Josh	Done
	Modify N2 purge line for two more valves			Casey	
	setup nitrogen purge on vent stack			Tgt Group	
	hookup cooling to compressor			Tom	
	cut plates on platform for cables			Tom	
	_hook_up_target_gas_systems			Tgt Group	
	_hook_up_target_cryo_system			Tgt Group	
	_Test_target_systems			Tgt Group	
	_Test Target controls		6/30/2014	Butler	
2562180	Install_Photon_BL_Tag_Hall_(Installtn)				
	Release all tagger area stand analyses			Slava	
	procure extension spool and bleedup port	14-Jun-14		Slava	
	Install extension spool/bleedup port for vacuum			Tom	
	reassemble Photon beamline		15-May-14	Techs	Done
	Add third stand to line			Tom	
	_leak_check_beamline			Tom	
2562181	Install_Photon_BL_Colli._Cave_(Installtn)_-Procurement				
	Preform thin windows	15-May-14	21-May	Heck	Done
	_install_thin_windows	21-May-14		Thomason	Done

	install pumpdown orifice				Done
	_leak_check_beamline				Done
	Perform pump down/bleed-up time tests			Tom	Done
	Install Active collimator			Sasha	
	Fab cabling for active collimator			Scot	
	Cable active collimator			Scot	
	Fiducialize active collimator			S&A	
	Test active collimator			Hovanes	
	Controls for active collimator table			Accel	
2562625	Install_Electrical_Dirty_Power_cable/conduit_from_Panels				
	FCAL			electricians	Done
	upstream platform	5-May-14		electricians	Done
	collimator	12-May-14		electricians	Done
2562780	Install_Commissioning_target_with_Start	30-Sep-14			
	complete design of target			Marchlik	Done
	assemble target cart	17-Jun-14		Tom	
	install commissioning target on to cart		31-Aug	Tom	
	Fiducialize target			S&A	
	Design/fab beamtube from PS to target			Slava	
	Design/Fab thin window for DS end of PS beamline			Slava	
	Design thin window cartidge			Slava	
	Form thin window/install 2.75 "			Heck	
	Fab beam line stands			Tom	
	Release drawings				
	Install SC onto target			Tom/Matt	
	Install cables			Fernando	
2562855	Install_UPS_system_for_critical_controls				
	Determine requirements			Beaufait	Done
	procure components	3-Jun-14		Beaufait	
	install components	10-Jun-14		Electricians	
	Test system			Beaufait	
2562870	Install_lighting_fixtures_under_US_platform				
	Procure fixtures			Mark S	Done
	_install_conduit			Electricians	
	_pull_cables_			Electricians	
	_mount_fixtures_and_connect_power			Electricians	
2562885	Install_flammable_gas_detection_system			Keith	
	install 3/4 conduit and supports			Keith	Done
	mount equipment in gas shed			Keith	Done
	Install alarms in CH and Hall	13-Jun-14		Tom	
	Install power to equip in gas shed			Tom	
	test sytem			Reisbeck	
28241000a	Solenoid commissioning (12OSOL)	30-Sep-14			
	Install relief valve and support	3-Jun-14		Foyles	Done
	_power supply			Mark	
	_quench detector			Mark	
	_controls			Dave	
	update solenoid cryo drawings			Rich	
	update solenoid controls dwgs			Scot/Slava	

	design relief stack			George/rich	Done
100	Install Beamline from PS vaccum chamber to H2 target				
	make drawings			Matt	
	procure bellows			Matt/Tom	Bellows on-t
	Fab beampipes				
	fab thin window (.005 kapton)			Casey	
200	Install Amorphous radiator stick				
	Install stick on insertion device			Tom	
	fiducialize device	19-Jun-14		S&A	
	install cables			Scot	
	check operations			Hovanes	
	pump down and leak check			Tom	
300	Install final NMR in Tagger				
	Write test plan			Tim	Done
	send probe back for repair	14-May-14		Mark	Done
	Purchase 50 meter cable	14-May-14		Mark	
	test system w/aluminum tube in magne	15-Jun-14		Mark/Tim	
	Test system without aluminum tube in magnet			Mark/Tim	
	develop detailed current vs. field using	19-Jun-14		Mark	
400	Re-Align all systems				
500	Permanently mount CDC air cooling system			Casey	Done
600	Complete cable tray install in tagger			Casey	Done
	issue sketches			Rich	Done
	Procure trays	June		Casey	Done
	install trays	June		Casey	done
700	Setup vacuum FSD plan			Tim	
800	Install Tagger electronics shield				
	Determine requirements			Tim	
	Locate shielding material			Tim	
	install shielding			Tom	
900	Install Hovanes BPMs in tagger				
	Design holders				
	Fabricate holders				
	Install BPMs				
1000	Write procedures				
	Vacuum pump down/bleed up	3-Jun-14		Tom	
	Gas system			Spiegel	
	Solenoid cooldown			George	
	Solenoid check list			George	
	FDC installation/removal			Bill	
	CDC install/removal			Tim/Tom	
	maintenance procedures			Tom	
	Populate all pressure system folders			Tim	
	Enter things in the maintenance log			Tom	
1100	Install FCAL AC unit			Bill/Tom	complete
1200	Install FCAL Platform Stop				
	Release drawings			Tim	
	Procure/fab fixture			Tim	
	Install fixture			Tom	

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