

Activity ID	Activity Name	Start	Finish	Budgeted Labor Cc	Budgeted Material Cost	Budgeted Nonlabor	Budgeted Total Cost
25211195	Cell #25 Assy. (FWD Chambers)	3/1/2013 8:00	3/15/2013 16:00	\$3,291.60	\$0.00	\$0.00	\$3,291.60
25211200	Cell #26 Assy. (FWD Chambers)	3/1/2013 8:00	3/15/2013 16:00	\$3,291.60	\$0.00	\$0.00	\$3,291.60
25211205	Cell #27 Assy. (FWD Chambers)	3/1/2013 8:00	3/15/2013 16:00	\$3,291.60	\$0.00	\$0.00	\$3,291.60
2546360	Test BCAL Readout V3	3/1/2013 8:00	3/15/2013 16:00	\$4,711.32	\$0.00	\$0.00	\$4,711.32
2562248	Racks - Install Hall Lower Level South (S1)	3/11/2013 8:00	3/22/2013 16:00	\$1,821.60	\$0.00	\$0.00	\$1,821.60
25512110	Proc SiPMs for Microscope (HODOSCP) Part A	3/1/2013 8:00	3/25/2013 16:00	\$0.00	\$12,720.00	\$0.00	\$12,720.00
25512126	UConn TAGM Contract - Complete Preparation to	3/1/2013 8:00	3/25/2013 16:00	\$0.00	\$1,250.20	\$0.00	\$1,250.20
2541112	Test stand for testing/acceptance of FADC125	3/1/2013 8:00	3/26/2013 16:00	\$14,567.00	\$0.00	\$0.00	\$14,567.00
25211205a	Cell #28 Assy. (FWD Chambers)	3/1/2013 8:00	3/28/2013 16:00	\$4,208.80	\$0.00	\$0.00	\$4,208.80
25211165	4th Package Final Assy. and Testing (FWD Chambe	3/1/2013 8:00	3/29/2013 16:00	\$10,577.60	\$0.00	\$0.00	\$10,577.60
25221156f	Vend Fab Light Guides (WC) Peg Point # 7 - 5th Pr	3/1/2013 8:00	3/29/2013 16:00	\$0.00	\$10,200.00	\$0.00	\$10,200.00
25221156g	Vend Fab Light Guides (WC) Peg Point # 8 - 6th Pr	3/1/2013 8:00	3/29/2013 16:00	\$0.00	\$33,320.00	\$0.00	\$33,320.00
25221156h	Vend Fab Light Guides (WC) Peg Point # 9 - 7th Pr	3/1/2013 8:00	3/29/2013 16:00	\$0.00	\$33,320.00	\$0.00	\$33,320.00
25221156j	Vend Fab Light Guides (WC) Peg Point # 10 - 8th P	3/1/2013 8:00	3/29/2013 16:00	\$0.00	\$33,320.00	\$0.00	\$33,320.00
25221156k	Vend Fab Light Guides (WC) Peg Point # 11 - 9th P	3/1/2013 8:00	3/29/2013 16:00	\$0.00	\$33,320.00	\$0.00	\$33,320.00
25221156n	Vend Fab Light Guides (WC) Peg Point # 12 - 10th	3/1/2013 8:00	3/29/2013 16:00	\$0.00	\$33,320.00	\$0.00	\$33,320.00
25231013E	FY13 Travel (TOF)	3/1/2013 8:00	3/29/2013 16:00	\$0.00	\$0.00	\$1,828.00	\$1,828.00
25511060	Proc Vac Chamb (TAGGING Mag)	3/1/2013 8:00	3/29/2013 16:00	\$0.00	\$154,132.09	\$0.00	\$154,132.09
295221485	USM Peg Point # 8 Batch #4 Arrival at USM	3/1/2013 8:00	3/29/2013 16:00	\$0.00	\$169,500.00	\$0.00	\$169,500.00
28241020	Cooldown to 4 K (SOLENOID)	3/22/2013 8:00	4/1/2013 16:00	\$2,441.84	\$0.00	\$0.00	\$2,441.84
25221315	Manufacturing Drawings for BCAL cooling manifold	3/1/2013 8:00	4/4/2013 16:00	\$24,414.00	\$0.00	\$0.00	\$24,414.00
2562247	Racks - Install Hall Lower Level North (N1)	3/29/2013 8:00	4/8/2013 16:00	\$1,821.60	\$0.00	\$0.00	\$1,821.60
25211168	Repair HV problem in 1 package (FWD_Chambers)	3/15/2013 8:00	4/10/2013 16:00	\$6,583.20	\$0.00	\$0.00	\$6,583.20
28241025	Fill with LHE (SOLENOID)	4/3/2013 8:00	4/11/2013 16:00	\$2,413.28	\$0.00	\$0.00	\$2,413.28
2542036	Test stand for testing/acceptance of F1TDC	3/1/2013 8:00	4/12/2013 16:00	\$6,284.20	\$0.00	\$0.00	\$6,284.20
2547175	Cables - LV Label and Bundle BCAL (24)	4/3/2013 8:00	4/12/2013 16:00	\$1,821.60	\$0.00	\$0.00	\$1,821.60
25211205b	Cell #29 Assy. (FWD Chambers)	3/1/2013 8:00	4/15/2013 16:00	\$4,208.80	\$0.00	\$0.00	\$4,208.80
25211205c	Cell #30 Assy. (FWD Chambers)	3/1/2013 8:00	4/15/2013 16:00	\$4,208.80	\$0.00	\$0.00	\$4,208.80
295212230	Q.A. on Chamber Wire and HV Checks	3/1/2013 8:00	4/15/2013 16:00	\$0.00	\$67,976.90	\$0.00	\$67,976.90
295212240	Close up gas upstream and downstream gas plenu	3/1/2013 8:00	4/15/2013 16:00	\$0.00	\$3,025.80	\$0.00	\$3,025.80
251185a	Technical support for Solenoid commissioning	3/14/2013 8:00	4/19/2013 16:00	\$32,523.84	\$0.00	\$0.00	\$32,523.84
2542065	F1TDC - Procure, Fab and Assemble F1TDC Test M	3/1/2013 8:00	4/19/2013 16:00	\$8,377.20	\$5,000.00	\$0.00	\$13,377.20
28241030	Static Test Coils (SOLENOID)	4/12/2013 8:00	4/22/2013 16:00	\$8,107.84	\$1,207.33	\$0.00	\$9,315.17
2531135	Proc infiniband Hardware PR	3/25/2013 8:00	4/23/2013 16:00	\$9,328.00	\$0.00	\$0.00	\$9,328.00
2562725	Fabricate cable tray supports for upstream platfor	3/18/2013 8:00	4/23/2013 16:00	\$0.00	\$0.00	\$4,600.00	\$4,600.00
2562755	Manufacturing Drawings of field map fixture for sc	3/11/2013 8:00	4/23/2013 16:00	\$12,639.96	\$0.00	\$0.00	\$12,639.96
2547180	Cables - Bias Label and Bundle BCAL (36)	4/15/2013 8:00	4/26/2013 16:00	\$1,821.60	\$0.00	\$0.00	\$1,821.60
25511100	Proc Turbo Pumps (TAGGING Mag)	3/19/2013 8:00	4/26/2013 16:00	\$0.00	\$18,689.00	\$0.00	\$18,689.00
2548030	Full Crate Check - Pre Installation,Lab,Install Mods	3/19/2013 8:00	4/29/2013 16:00	\$5,099.40	\$0.00	\$0.00	\$5,099.40
295212245	Gas leak tests (P5 Chamber operational tests)	3/1/2013 8:00	4/29/2013 16:00	\$0.00	\$4,943.10	\$0.00	\$4,943.10
2541134	Vend Fab FADC125 Peg Points #5 and # 6 Producti	3/1/2013 8:00	4/30/2013 16:00	\$0.00	\$112,735.00	\$0.00	\$112,735.00
2542042	F1TDC - Production (TDC)	3/1/2013 8:00	4/30/2013 16:00	\$0.00	\$92,695.00	\$0.00	\$92,695.00
25511071	Proc Quad Power Supply (TAGGING Mag) (Same as	3/1/2013 8:00	4/30/2013 16:00	\$0.00	\$3,721.00	\$0.00	\$3,721.00
25512020	Design Divider for Hodoscope	3/1/2013 8:00	4/30/2013 16:00	\$11,657.60	\$0.00	\$0.00	\$11,657.60
2553062	UConn Contract - Procure Readout Electronics for	3/1/2013 8:00	4/30/2013 16:00	\$0.00	\$6,000.00	\$0.00	\$6,000.00
..1 HALL D BARREL CALORIMETER		3/1/2013 8:00	4/30/2013 16:00	\$0.00	\$238,044.00	\$0.00	\$238,044.00

295221490	USM Peg Point # 9 Qty. 500 MPPCs tested and shi	3/1/2013 8:00	4/30/2013 16:00	\$0.00	\$18,928.00	\$0.00	\$18,928.00
295221495	USM Peg Point # 10 Qty. 500 MPPCs tested and sh	3/1/2013 8:00	4/30/2013 16:00	\$0.00	\$18,928.00	\$0.00	\$18,928.00
295221500	USM Peg Point # 11 Qty. 500 MPPCs tested and sh	3/1/2013 8:00	4/30/2013 16:00	\$0.00	\$18,928.00	\$0.00	\$18,928.00
295221505	USM Peg Point # 12 Qty. 300 MPPCs tested and sh	3/1/2013 8:00	4/30/2013 16:00	\$0.00	\$11,760.00	\$0.00	\$11,760.00
2532030	Install CODA and supporting software	3/1/2013 8:00	5/1/2013 16:00	\$5,828.80	\$0.00	\$0.00	\$5,828.80
2562705	Manufacturing Drawings of Chilled water system f	3/1/2013 8:00	5/2/2013 16:00	\$24,414.00	\$0.00	\$0.00	\$24,414.00
2562800	Install tooling to roll FCAL platform	4/2/2013 8:00	5/3/2013 16:00	\$1,299.48	\$0.00	\$0.00	\$1,299.48
2562870	Install lighting fixtures under US platform	4/25/2013 8:00	5/3/2013 16:00	\$4,035.68	\$0.00	\$0.00	\$4,035.68
2562050	Install Tagger Pwr Supply (Installtn)	4/15/2013 8:00	5/8/2013 16:00	\$24,597.84	\$0.00	\$3,875.00	\$28,472.84
25222100a	Stacking of Blocks (FCAL)	3/1/2013 8:00	5/10/2013 16:00	\$9,172.00	\$0.00	\$0.00	\$9,172.00
25222105	Assy of Single Channel FCAL Detectors (FCAL)	3/1/2013 8:00	5/10/2013 16:00	\$9,172.00	\$0.00	\$0.00	\$9,172.00
2542060	F1TDC - Write Production Test Software (TDC)	3/1/2013 8:00	5/10/2013 16:00	\$14,562.00	\$0.00	\$0.00	\$14,562.00
2543080a	Preparing procurement of GTP boards	3/1/2013 8:00	5/13/2013 16:00	\$4,368.60	\$0.00	\$0.00	\$4,368.60
2531045	Proc Telecom Installation (DAQ) PR	3/1/2013 8:00	5/15/2013 16:00	\$2,912.40	\$0.00	\$0.00	\$2,912.40
2546400	Pair Spectrometer Engineering	3/18/2013 8:00	5/15/2013 16:00	\$11,649.60	\$0.00	\$0.00	\$11,649.60
2561105a	BCAL lightguide gluing, preparation for installation	3/1/2013 8:00	5/15/2013 16:00	\$53,924.53	\$0.00	\$0.00	\$53,924.53
2561106	Installation of the Monitoring LEDs (BCAL)	3/1/2013 8:00	5/15/2013 16:00	\$9,905.76	\$0.00	\$0.00	\$9,905.76
2562865	Procure lighting fixture under US platform	4/19/2013 8:00	5/15/2013 16:00	\$0.00	\$1,100.00	\$0.00	\$1,100.00
25511065	Proc Pwr Supply (TAGGING Mag)	3/29/2013 8:00	5/17/2013 16:00	\$7,286.40	\$0.00	\$5,800.00	\$13,086.40
25221180a	Proc Supprt Struct and assy tooling (BarCal)	3/1/2013 8:00	5/20/2013 16:00	\$0.00	\$4,000.00	\$3,200.00	\$7,200.00
25221325	Fabricate FCAL Monitoring LEDs Athens (FCAL)	3/1/2013 8:00	5/20/2013 16:00	\$0.00	\$26,228.00	\$0.00	\$26,228.00
25231005	Manufacturing Drawings for support structure (TO	3/1/2013 8:00	5/20/2013 16:00	\$17,359.20	\$0.00	\$0.00	\$17,359.20
2546570	Tagger Microscope Manufacturing Design Review	5/13/2013 8:00	5/23/2013 16:00	\$9,328.00	\$0.00	\$0.00	\$9,328.00
28241035	Controls Test Solenoid (SOLENOID)	3/1/2013 8:00	5/23/2013 16:00	\$85,350.72	\$1,207.33	\$0.00	\$86,558.05
2552001	Prepare Procurements/Fabrication Packages 2012	3/19/2013 8:00	5/24/2013 16:00	\$9,765.60	\$0.00	\$0.00	\$9,765.60
2553015	Proc Goniometer (BL Compnts)	3/1/2013 8:00	5/28/2013 16:00	\$0.00	\$76,218.00	\$0.00	\$76,218.00
28241000	Technical support for Solenoid commissioning	4/22/2013 8:00	5/29/2013 16:00	\$32,523.84	\$0.00	\$0.00	\$32,523.84
2541136	Vend Fab FADC125 Peg Points #7 and # 8 Producti	3/1/2013 8:00	5/30/2013 16:00	\$0.00	\$161,538.00	\$0.00	\$161,538.00
2543170	Level-1 Trigger Testbed Electronics (Hall D grp)	3/1/2013 8:00	5/30/2013 16:00	\$0.00	\$38,500.00	\$0.00	\$38,500.00
2553035	Proc Pair Spectrometer Mag Pwr Supply (BL Comp	3/1/2013 8:00	5/30/2013 16:00	\$0.00	\$74,300.00	\$0.00	\$74,300.00
2553040	Design PS Support Frame	4/18/2013 8:00	5/30/2013 16:00	\$15,861.44	\$0.00	\$0.00	\$15,861.44
2562640	Procure cable trays and hardware	3/21/2013 8:00	5/30/2013 16:00	\$0.00	\$4,127.60	\$0.00	\$4,127.60
25221156p	Vend Fab Light Guides (WC) Replacement	4/1/2013 8:00	5/31/2013 16:00	\$0.00	\$4,000.00	\$0.00	\$4,000.00
25221159b	Vend Fab SiPMs Additionalk 10 Units	3/1/2013 8:00	5/31/2013 16:00	\$0.00	\$6,030.00	\$0.00	\$6,030.00
25221182	Procure BCAL SiPm chillers	3/29/2013 8:00	5/31/2013 16:00	\$0.00	\$30,300.00	\$0.00	\$30,300.00
25231095	FSU - Polishing and Gluing of First 30 Units	3/1/2013 8:00	5/31/2013 16:00	\$0.00	\$16,382.87	\$0.00	\$16,382.87
25231100	FSU - Wrapping of First 30 Units	3/1/2013 8:00	5/31/2013 16:00	\$0.00	\$9,014.50	\$0.00	\$9,014.50
25231105	FSU - Mount PMT and Testing of First 30 Units	3/1/2013 8:00	5/31/2013 16:00	\$0.00	\$18,739.86	\$0.00	\$18,739.86
2541059	UMASS - fADC250 - Production Test (FADC)	3/1/2013 8:00	5/31/2013 16:00	\$0.00	\$27,525.00	\$0.00	\$27,525.00
25511115	Proc. Tagger beamline stands	3/1/2013 8:00	5/31/2013 16:00	\$0.00	\$5,200.00	\$6,900.00	\$12,100.00
25512136	UConn TAGM Contract - Production 1st Article Opi	3/1/2013 8:00	5/31/2013 16:00	\$0.00	\$3,329.10	\$0.00	\$3,329.10
297111130	Blue Crab Janitorial FY13	3/1/2013 8:00	5/31/2013 16:00	\$0.00	\$0.00	\$516.99	\$516.99
2531335	Proc Accessories for Computing Cluster (DAQ) PR	5/1/2013 8:00	6/3/2013 16:00	\$2,914.40	\$0.00	\$0.00	\$2,914.40
2548015	Full Crate Check - Pre Installation,Lab,Install Mods	4/1/2013 8:00	6/3/2013 16:00	\$4,734.00	\$0.00	\$0.00	\$4,734.00
2543142	Prepare Test Stand for Algorithm Testing, Test Alg	3/1/2013 8:00	6/7/2013 16:00	\$20,394.80	\$0.00	\$0.00	\$20,394.80
2553175	Fab Tagger beamline components	4/1/2013 8:00	6/7/2013 16:00	\$11,006.40	\$0.00	\$0.00	\$11,006.40
2562355	Install Supprt Electrnc's Platform #2 (Installtn)	4/5/2013 8:00	6/7/2013 16:00	\$11,006.40	\$8,451.30	\$0.00	\$19,457.70

2553072a	Program & test Collimator Table (BL Components)	3/1/2013 8:00	6/10/2013 16:00	\$8,741.20	\$0.00	\$0.00	\$8,741.20
2553065	Proc Active Collimator Compnts (BL Compnts)	3/1/2013 8:00	6/13/2013 16:00	\$0.00	\$2,100.00	\$0.00	\$2,100.00
25213015	All Manufacturing Drawings for start counter	5/3/2013 8:00	6/14/2013 16:00	\$11,389.20	\$0.00	\$0.00	\$11,389.20
2531035	Proc Desktops and Console (DAQ) PR	5/1/2013 8:00	6/14/2013 16:00	\$2,912.40	\$0.00	\$0.00	\$2,912.40
2531065	Proc Fibers for Counting House to Hall (DAQ) PR	5/1/2013 8:00	6/14/2013 16:00	\$4,664.00	\$0.00	\$0.00	\$4,664.00
ALL D SOLENOID COMMISIONING		3/1/2013 8:00	6/17/2013 16:00	\$190,223.12	\$3,621.99	\$0.00	\$193,845.11
28241040	Pwr Test Solenoid (SOLENOID)	5/24/2013 8:00	6/17/2013 16:00	\$59,385.60	\$1,207.33	\$0.00	\$60,592.93
25221320	Procure BCAL cooling manifold	4/11/2013 8:00	6/19/2013 16:00	\$0.00	\$6,850.00	\$0.00	\$6,850.00
2546520	Start Counter Production Procurement Prep	4/1/2013 8:00	6/20/2013 16:00	\$11,649.60	\$0.00	\$0.00	\$11,649.60
282453010	Test PS High Granularity Counters	4/22/2013 8:00	6/20/2013 16:00	\$13,477.20	\$0.00	\$0.00	\$13,477.20
2543025	Procument of CTP boards (FE grp)	3/1/2013 8:00	6/21/2013 16:00	\$0.00	\$138,455.00	\$0.00	\$138,455.00
2543030	Procument of Additional CTP boards (FE grp)	4/1/2013 8:00	6/21/2013 16:00	\$0.00	\$2,340.00	\$0.00	\$2,340.00
2547165	Cables - HV Label and Bundle FDC (8)	6/3/2013 8:00	6/21/2013 16:00	\$1,821.60	\$0.00	\$0.00	\$1,821.60
2561145	Rail Mounting for FDC (Assy)	5/8/2013 8:00	6/21/2013 16:00	\$9,887.68	\$0.00	\$600.00	\$10,487.68
251173f	Install solenoid vacuum manifold	6/6/2013 8:00	6/24/2013 16:00	\$4,677.72	\$0.00	\$0.00	\$4,677.72
251250M	Installtn of Solenoid Comptd (SOLENOID)		6/24/2013 16:00	\$0.00	\$0.00	\$0.00	\$0.00
2548010	Full Crate Check - Pre Installation,Lab,Install Mods.	4/22/2013 8:00	6/24/2013 16:00	\$4,734.00	\$0.00	\$0.00	\$4,734.00
2562062	Fabrication Drawings of field map fixture for Taggi	4/1/2013 8:00	6/24/2013 16:00	\$20,613.60	\$0.00	\$0.00	\$20,613.60
2562650	Procure power transformers	3/21/2013 8:00	6/25/2013 16:00	\$0.00	\$25,500.00	\$0.00	\$25,500.00
295212255	Operations Test (P5 Chamber operational tests)	3/1/2013 8:00	6/26/2013 16:00	\$0.00	\$10,446.00	\$0.00	\$10,446.00
25211170	Full Electronics test of 1 package with cooling (FW	5/28/2013 8:00	6/27/2013 16:00	\$24,771.20	\$0.00	\$4,500.00	\$29,271.20
2547160	Cables - LV Label and Bundle FDC (264)	6/3/2013 8:00	6/27/2013 16:00	\$5,464.80	\$0.00	\$0.00	\$5,464.80
2553048a	Proc Pair convertor (BL Compnts) Labor	3/1/2013 8:00	6/27/2013 16:00	\$6,871.20	\$0.00	\$0.00	\$6,871.20
25211216	Materials_for_HV connection	3/1/2013 8:00	6/28/2013 16:00	\$0.00	\$4,038.00	\$0.00	\$4,038.00
25221330	Fabricate B Aby CAL (Regina)	3/1/2013 8:00	6/28/2013 16:00	\$0.00	\$16,748.00	\$0.00	\$16,748.00
25221335	Procure Readout Supplies	3/1/2013 8:00	6/28/2013 16:00	\$0.00	\$7,442.00	\$0.00	\$7,442.00
25221340	Procure Customs Broker	3/1/2013 8:00	6/28/2013 16:00	\$0.00	\$1,866.00	\$0.00	\$1,866.00
2531077	Proc Consoles (DAQ)	4/1/2013 8:00	6/28/2013 16:00	\$0.00	\$46,659.00	\$0.00	\$46,659.00
2531087	Proc furniture (DAQ)	4/1/2013 8:00	6/28/2013 16:00	\$0.00	\$10,931.09	\$0.00	\$10,931.09
2531140	Proc infiniband Hardware	6/3/2013 8:00	6/28/2013 16:00	\$0.00	\$13,710.00	\$0.00	\$13,710.00
2541138	Vend Fab FADC125 Peg Points #9 and # 10 Product	3/1/2013 8:00	6/28/2013 16:00	\$0.00	\$193,846.00	\$0.00	\$193,846.00
2541143	Vend Fab FADC125 Peg Points #11 and # 12 Produ	3/1/2013 8:00	6/28/2013 16:00	\$0.00	\$213,230.00	\$0.00	\$213,230.00
2546530	Procure Start Counter Transition Board	5/24/2013 8:00	6/28/2013 16:00	\$0.00	\$1,651.04	\$0.00	\$1,651.04
25512110a	Bias Voltage Power Supplies for SiPMs	3/1/2013 8:00	6/28/2013 16:00	\$0.00	\$45,500.00	\$0.00	\$45,500.00
25512131	UConn TAGM Contract - Procurement of Supplies i	3/1/2013 8:00	6/28/2013 16:00	\$0.00	\$7,000.00	\$0.00	\$7,000.00
25512141	UConn TAGM Contract - Submit TAGM Enclosure I	3/1/2013 8:00	6/28/2013 16:00	\$0.00	\$3,143.20	\$0.00	\$3,143.20
2553017	Procure vacuum gauges and valves for tagger bear	4/19/2013 8:00	6/28/2013 16:00	\$0.00	\$12,898.75	\$0.00	\$12,898.75
2553036	Proc Parts for Pair Spectrometer	3/1/2013 8:00	6/28/2013 16:00	\$0.00	\$6,800.00	\$0.00	\$6,800.00
2562220	Fab stand for PS shielding	4/15/2013 8:00	6/28/2013 16:00	\$0.00	\$6,500.00	\$0.00	\$6,500.00
2562465	Support Dark Room Procurement for Fcal (Installtr	3/18/2013 8:00	6/28/2013 16:00	\$9,765.60	\$0.00	\$0.00	\$9,765.60
2562710	Procure Chilled water components	5/1/2013 8:00	6/28/2013 16:00	\$0.00	\$9,800.00	\$0.00	\$9,800.00
2562760	Fab field map fixture for solenoid	4/24/2013 8:00	6/28/2013 16:00	\$0.00	\$0.00	\$5,200.00	\$5,200.00
282443015a	Acceptance test of SSP boards (FE grp)	3/1/2013 8:00	6/28/2013 16:00	\$23,299.20	\$0.00	\$0.00	\$23,299.20
1.9.5.2.2 HALL D CALORIMETRY		3/1/2013 8:00	6/28/2013 16:00	\$0.00	\$298,051.00	\$0.00	\$298,051.00
HALL D FORWARD CALORIMETER		3/1/2013 8:00	6/28/2013 16:00	\$0.00	\$60,007.00	\$0.00	\$60,007.00
295222290	Build Dark Room	3/1/2013 8:00	6/28/2013 16:00	\$0.00	\$60,007.00	\$0.00	\$60,007.00
2562366	Manufacturing drawings for FDC cable installation	5/24/2013 8:00	7/2/2013 16:00	\$10,812.72	\$0.00	\$0.00	\$10,812.72

295212250	HV tests (P5 Chamber operational tests)	3/1/2013 8:00	7/2/2013 16:00	\$0.00	\$2,365.20	\$0.00	\$2,365.20
251195	Repair Solenoid Vac Leaks	3/6/2013 8:00	7/3/2013 16:00	\$21,102.90	\$0.00	\$0.00	\$21,102.90
251196	Repair Solenoid Vac Leaks Materials	3/6/2013 8:00	7/3/2013 16:00	\$0.00	\$0.00	\$12,000.00	\$12,000.00
25512015	Proc Scintillators and Light Guides for Hodoscope	5/3/2013 8:00	7/3/2013 16:00	\$0.00	\$45,000.00	\$0.00	\$45,000.00
2562212	Fabrication Drawings of field map fixture for PS ma	5/2/2013 8:00	7/3/2013 16:00	\$18,625.20	\$0.00	\$0.00	\$18,625.20
2546420	Pair Spectrometer Production Procurement Prep	5/24/2013 8:00	7/5/2013 16:00	\$9,468.00	\$0.00	\$0.00	\$9,468.00
2553160	Manufacturing Drawings of radiator holder	4/2/2013 8:00	7/5/2013 16:00	\$13,742.40	\$0.00	\$0.00	\$13,742.40
2546580	Tagger Microscope Parts	5/24/2013 8:00	7/8/2013 16:00	\$0.00	\$15,000.00	\$0.00	\$15,000.00
2552032	Manufacturing Drawings for cryo system (Target)	5/1/2013 8:00	7/11/2013 16:00	\$20,978.40	\$0.00	\$0.00	\$20,978.40
25511072	Proc Beam Dipole Power Supply	5/13/2013 8:00	7/12/2013 16:00	\$0.00	\$1,773.00	\$0.00	\$1,773.00
2531227a	Proc IO Modules (DAQ) Batch 1 Goniometer Contr	4/1/2013 8:00	7/15/2013 16:00	\$0.00	\$16,091.00	\$0.00	\$16,091.00
2531227aa	Proc IO Modules (DAQ) Batch 2	4/1/2013 8:00	7/15/2013 16:00	\$0.00	\$31,698.00	\$0.00	\$31,698.00
2542037	F1TDC - Full Single-Crate Acceptance Test (TDC)	4/15/2013 8:00	7/15/2013 16:00	\$18,936.00	\$0.00	\$0.00	\$18,936.00
2543175	Preparing procument of TS boards	5/1/2013 8:00	7/15/2013 16:00	\$4,368.60	\$0.00	\$0.00	\$4,368.60
2562626	Install Transformers and Panels in Hall D	5/14/2013 8:00	7/15/2013 16:00	\$0.00	\$25,000.00	\$0.00	\$25,000.00
282443010	Acceptance test of CTP boards (FE grp)	4/2/2013 8:00	7/16/2013 16:00	\$23,299.20	\$0.00	\$0.00	\$23,299.20
25512056	Manufacturing Drawings for Hodoscope mag shield	5/17/2013 8:00	7/17/2013 16:00	\$6,871.20	\$0.00	\$0.00	\$6,871.20
2546575	Tagger Microscope Procurement Support	5/24/2013 8:00	7/18/2013 16:00	\$3,643.20	\$0.00	\$0.00	\$3,643.20
2552008	Manufacturing Drawings for gas System (Target)	6/11/2013 8:00	7/19/2013 16:00	\$18,084.00	\$0.00	\$0.00	\$18,084.00
2553130	Manufacturing Drawings of cooling system for PS c	6/3/2013 8:00	7/19/2013 16:00	\$19,619.40	\$0.00	\$0.00	\$19,619.40
2562224	Mount Bcal Modules in the Installation Frame (Ins	5/21/2013 8:00	7/19/2013 16:00	\$28,363.12	\$0.00	\$2,900.00	\$31,263.12
2561155a	Assemble BCal readout wedges(Assy)	3/1/2013 8:00	7/23/2013 16:00	\$23,072.80	\$0.00	\$0.00	\$23,072.80
2561155b	Assemble BCal readout wedges(Assy) Materials	3/1/2013 8:00	7/23/2013 16:00	\$0.00	\$2,300.00	\$0.00	\$2,300.00
2562466	Install Dark Room for Fcal (Installtn)	7/1/2013 8:00	7/24/2013 16:00	\$19,861.60	\$0.00	\$5,000.00	\$24,861.60
282443025a5	Acceptance test of TS boards (FE_grp)	5/6/2013 8:00	7/25/2013 16:00	\$5,824.80	\$0.00	\$0.00	\$5,824.80
25221163	Final SiPM sorting and component selection	4/1/2013 8:00	7/26/2013 16:00	\$19,670.80	\$0.00	\$0.00	\$19,670.80
2543185	Procument Structural Components for Trigger Mo	4/1/2013 8:00	7/26/2013 16:00	\$0.00	\$0.00	\$3,150.00	\$3,150.00
2546590	Tagger Microscope Back Plane Board (8)	5/24/2013 8:00	7/26/2013 16:00	\$0.00	\$10,000.00	\$0.00	\$10,000.00
2546595	Tagger Microscope Bias Control Board (20)	5/24/2013 8:00	7/26/2013 16:00	\$0.00	\$10,000.00	\$0.00	\$10,000.00
25512005	Design Hodoscope Supprt (HODOSCP)	3/1/2013 8:00	7/26/2013 16:00	\$19,984.20	\$0.00	\$0.00	\$19,984.20
282446030	Test Start Counter Readout Board	6/24/2013 8:00	7/26/2013 16:00	\$6,555.60	\$0.00	\$0.00	\$6,555.60
25222006	FY13 Engineering Support for Fabrication (FCAL)	3/1/2013 8:00	7/29/2013 16:00	\$6,475.23	\$0.00	\$0.00	\$6,475.23
2553050	Proc Pair convertor insertion device (BL Compnts)	5/8/2013 8:00	7/29/2013 16:00	\$0.00	\$17,026.35	\$0.00	\$17,026.35
25211172	Resolution_studies_(FWD_Chambers)	4/15/2013 8:00	7/30/2013 16:00	\$11,657.60	\$0.00	\$0.00	\$11,657.60
25211208	Assemble and Electrical Test of Package R (FDC)	5/2/2013 8:00	7/30/2013 16:00	\$13,166.40	\$0.00	\$0.00	\$13,166.40
25221057c	Construction BCAL Pulsing System (BarCal) Materi	4/24/2013 8:00	7/30/2013 16:00	\$0.00	\$0.00	\$11,000.00	\$11,000.00
2532005	Install OS system along with network 9settings	3/1/2013 8:00	7/30/2013 16:00	\$13,992.00	\$0.00	\$0.00	\$13,992.00
2532010	Set up directory structures, repository structure, u	3/1/2013 8:00	7/30/2013 16:00	\$13,407.20	\$0.00	\$0.00	\$13,407.20
2532165	EPICS System Setup	5/1/2013 8:00	7/30/2013 16:00	\$11,657.60	\$0.00	\$0.00	\$11,657.60
2553037	Fabricate PS Counters (Low Granularity)	5/15/2013 8:00	7/30/2013 16:00	\$10,252.00	\$0.00	\$0.00	\$10,252.00
2553041	Build PS low granularity Support Frame	6/3/2013 8:00	7/30/2013 16:00	\$0.00	\$6,200.00	\$0.00	\$6,200.00
25211210	Materials for the electronics cooling	4/1/2013 8:00	7/31/2013 16:00	\$0.00	\$3,593.00	\$0.00	\$3,593.00
25211215	Materials for alignment/fiducials	4/1/2013 8:00	7/31/2013 16:00	\$0.00	\$8,305.00	\$0.00	\$8,305.00
25231075	FSU - Scintillator Procurement	3/1/2013 8:00	7/31/2013 16:00	\$0.00	\$106,497.25	\$0.00	\$106,497.25
25231080	FSU - Light Guide Material Procurement	3/1/2013 8:00	7/31/2013 16:00	\$0.00	\$16,070.04	\$0.00	\$16,070.04
25231090	FSU - Proc Supplies (TOF)	3/1/2013 8:00	7/31/2013 16:00	\$0.00	\$21,485.00	\$0.00	\$21,485.00
2546525	Procure Start Counter ST Readout Board	5/10/2013 8:00	7/31/2013 16:00	\$0.00	\$5,159.50	\$0.00	\$5,159.50

2553063	UConn Contract - Assembly and Test of Active Coll	3/1/2013 8:00	7/31/2013 16:00	\$0.00	\$9,550.00	\$0.00	\$9,550.00
2552033	Procure heat xchngr and cryo hardware	3/1/2013 8:00	8/1/2013 16:00	\$0.00	\$7,500.00	\$0.00	\$7,500.00
25211175	Complete Package Mechanical Assy (FWD Chambe	7/2/2013 8:00	8/2/2013 16:00	\$11,312.00	\$0.00	\$0.00	\$11,312.00
2562231	Manufacturing Drawings of BCAL Lateral support	6/3/2013 8:00	8/2/2013 16:00	\$11,754.00	\$0.00	\$0.00	\$11,754.00
2562367	Fabrication of FDC cable installation tooling	6/25/2013 8:00	8/2/2013 16:00	\$5,503.20	\$0.00	\$3,700.00	\$9,203.20
2548035	Full Crate Check - Pre Installation,Lab,Install Mods,	7/8/2013 8:00	8/5/2013 16:00	\$5,099.40	\$0.00	\$0.00	\$5,099.40
2562045	Install Tagger Magnets & Chamber (Installtn)	3/5/2013 8:00	8/5/2013 16:00	\$40,110.96	\$21,390.00	\$3,875.00	\$65,375.96
2562392	Procure final hardware for Drift Chamber gas syste	4/1/2013 8:00	8/5/2013 16:00	\$0.00	\$76,000.00	\$0.00	\$76,000.00
2562740	Manufacturing Drawings of dry air cooling upstrea	6/3/2013 8:00	8/5/2013 16:00	\$23,817.48	\$0.00	\$0.00	\$23,817.48
2562225	Mount Bcal in Solenoid (Installtn)	7/22/2013 8:00	8/7/2013 16:00	\$14,421.68	\$0.00	\$3,000.00	\$17,421.68
2562840	Install dirty power cable/conduit tagger	5/2/2013 8:00	8/7/2013 16:00	\$5,503.20	\$0.00	\$1,800.00	\$7,303.20
25211240LOE	Lease of equipment for construction - truck; cleani	3/1/2013 8:00	8/8/2013 16:00	\$0.00	\$5,348.00	\$0.00	\$5,348.00
282446035	Test Start Counter Transition Board	7/8/2013 8:00	8/9/2013 16:00	\$1,548.36	\$0.00	\$0.00	\$1,548.36
25213020	Procure start counter support frame parts	6/19/2013 8:00	8/13/2013 16:00	\$0.00	\$0.00	\$5,100.00	\$5,100.00
2553180	Eng support Tagger beamline install	3/1/2013 8:00	8/13/2013 16:00	\$5,189.66	\$0.00	\$0.00	\$5,189.66
25211220	Final Testing (FWD Chambers)	8/5/2013 8:00	8/14/2013 16:00	\$6,746.00	\$0.00	\$0.00	\$6,746.00
2562715	Install Chilled water sytem Hall D	7/3/2013 8:00	8/14/2013 16:00	\$14,184.24	\$0.00	\$0.00	\$14,184.24
2543095	Preparing procument of Fiber Optics Cable/Patch I	4/15/2013 8:00	8/15/2013 16:00	\$4,368.60	\$0.00	\$0.00	\$4,368.60
2562250	Install Pwr to Racks Upstream Platform (Installtn)	7/23/2013 8:00	8/15/2013 16:00	\$14,572.80	\$22,939.25	\$0.00	\$37,512.05
2546362	Assemble BCAL Readout V3, Power Dist. & SYST	3/18/2013 8:00	8/16/2013 16:00	\$13,842.00	\$0.00	\$0.00	\$13,842.00
2562245	Racks - Install Hall Lower Level Upstream (U1)	8/8/2013 8:00	8/19/2013 16:00	\$1,833.12	\$0.00	\$0.00	\$1,833.12
2562246	Racks - Install Hall Lower Level Upstream South (U	8/8/2013 8:00	8/19/2013 16:00	\$3,472.56	\$0.00	\$0.00	\$3,472.56
25231045	Proc Supprt Struct (TOF)	5/21/2013 8:00	8/21/2013 16:00	\$0.00	\$24,146.57	\$0.00	\$24,146.57
2562830	Install BCAL cooling manifold	6/20/2013 8:00	8/21/2013 16:00	\$8,314.16	\$0.00	\$0.00	\$8,314.16
25211250	Disassembly of the construction equipment and si	8/12/2013 8:00	8/22/2013 16:00	\$10,242.00	\$0.00	\$840.00	\$11,082.00
2553125	Install mounting frame for low granularity PS dete	7/31/2013 8:00	8/22/2013 16:00	\$7,825.88	\$0.00	\$100.00	\$7,925.88
2562085	Racks - Install Tagger	7/11/2013 8:00	8/22/2013 16:00	\$1,833.12	\$0.00	\$100.00	\$1,933.12
2562330	Racks - Install Hall Upper Level Upstream (U2)	8/8/2013 8:00	8/22/2013 16:00	\$6,555.92	\$0.00	\$100.00	\$6,655.92
1.9.7	12 Gev Infastructure	3/1/2013 8:00	8/22/2013 16:00	\$0.00	\$50,298.50	\$16,259.05	\$66,557.55
1.9.7.1	12 Gev Misc Infastructure	3/1/2013 8:00	8/22/2013 16:00	\$0.00	\$50,298.50	\$16,259.05	\$66,557.55
297111059	Blue Crab Phone Lines FY13	3/1/2013 8:00	8/22/2013 16:00	\$0.00	\$0.00	\$992.91	\$992.91
297111065	Blue Crab Lease	3/1/2013 8:00	8/22/2013 16:00	\$0.00	\$40,357.55	\$0.00	\$40,357.55
297111085	Blue Crab Utilities	3/1/2013 8:00	8/22/2013 16:00	\$0.00	\$9,940.95	\$0.00	\$9,940.95
297111145	Blue Crab Misc. Supplies FY13	3/1/2013 8:00	8/22/2013 16:00	\$0.00	\$0.00	\$14,749.15	\$14,749.15
25211185	Fiducialize complete package (FWD Chambers)	8/13/2013 8:00	8/26/2013 16:00	\$6,573.20	\$0.00	\$0.00	\$6,573.20
25231030	Proc Magnetic Shields (TOF)	5/3/2013 8:00	8/26/2013 16:00	\$0.00	\$11,358.55	\$0.00	\$11,358.55
25212185	Resolution Studies (CENT CHAMB)	3/1/2013 8:00	8/28/2013 16:00	\$20,643.08	\$0.00	\$0.00	\$20,643.08
1.5.5.1.1	TAGGING MAGNET	3/1/2013 8:00	8/28/2013 16:00	\$19,678.40	\$183,515.09	\$19,900.00	\$223,093.49
25511095	Proc, calibrate, Install NMR (TAGGING Mag)	8/1/2013 8:00	8/28/2013 16:00	\$12,392.00	\$0.00	\$7,200.00	\$19,592.00
2562690	Manufacturing Drawings of cooling system for FCA	6/26/2013 8:00	8/28/2013 16:00	\$13,163.52	\$0.00	\$0.00	\$13,163.52
25512050	Proc PMTs for Fixed Array (HODOSCP)	3/1/2013 8:00	8/29/2013 16:00	\$0.00	\$110,000.00	\$0.00	\$110,000.00
25231110	FSU - Polishing and Gluing of Second 30 Units	3/1/2013 8:00	8/30/2013 16:00	\$0.00	\$16,382.87	\$0.00	\$16,382.87
25231115	FSU - Wrapping of Second 30 Units	3/1/2013 8:00	8/30/2013 16:00	\$0.00	\$9,014.50	\$0.00	\$9,014.50
25231120	FSU - Mount PMT and Testing of Second 30 Units	3/1/2013 8:00	8/30/2013 16:00	\$0.00	\$18,739.86	\$0.00	\$18,739.86
2531032	Proc General Purpose Servers (DAQ)	4/1/2013 8:00	8/30/2013 16:00	\$0.00	\$21,600.00	\$0.00	\$21,600.00
2531034	Proc Desktops for CH and Hall (DAQ)	4/1/2013 8:00	8/30/2013 16:00	\$0.00	\$23,257.00	\$0.00	\$23,257.00
2531070	Proc Fibers for Counting House to Hall (DAQ)	7/15/2013 8:00	8/30/2013 16:00	\$0.00	\$34,639.00	\$0.00	\$34,639.00

2543085a	Procurement of GTP boards (FE grp)	4/22/2013 8:00	8/30/2013 16:00	\$0.00	\$12,800.00	\$0.00	\$12,800.00
2543100	Procurement Fiber Optics Cable/Patch Panel (FE gr)	3/15/2013 8:00	8/30/2013 16:00	\$0.00	\$35,000.00	\$0.00	\$35,000.00
2546325	Procure Power Distribution (Qty.18)	3/25/2013 8:00	8/30/2013 16:00	\$3,643.20	\$11,700.00	\$0.00	\$15,343.20
2546425	Procure Pair Spectrometer Readout Board	7/1/2013 8:00	8/30/2013 16:00	\$0.00	\$5,800.00	\$0.00	\$5,800.00
2546430	Procure Pair Spectrometer Transition Board	7/15/2013 8:00	8/30/2013 16:00	\$0.00	\$1,600.00	\$0.00	\$1,600.00
2546435	Procure Pair Spectrometer Power Distribution	7/22/2013 8:00	8/30/2013 16:00	\$0.00	\$1,050.00	\$0.00	\$1,050.00
2546535	Procure Start Counter Power Distribution	6/7/2013 8:00	8/30/2013 16:00	\$0.00	\$1,083.50	\$0.00	\$1,083.50
2546565	Procure LV Cables	5/20/2013 8:00	8/30/2013 16:00	\$1,821.60	\$412.76	\$0.00	\$2,234.36
2546605	Tagger Hodoscope HV CAEN 1535SN (2)	4/1/2013 8:00	8/30/2013 16:00	\$0.00	\$14,000.00	\$0.00	\$14,000.00
25512060	Fab Hodoscope mag shields	7/31/2013 8:00	8/30/2013 16:00	\$0.00	\$8,000.00	\$0.00	\$8,000.00
2553042	Fabricate PS High Granularity Counters	3/1/2013 8:00	8/30/2013 16:00	\$38,093.60	\$0.00	\$0.00	\$38,093.60
2553060	Proc Roughing Pump (BL Compnts)	3/19/2013 8:00	8/30/2013 16:00	\$0.00	\$6,036.66	\$0.00	\$6,036.66
2562098	Install Tagger Quad Stand & Magnet (Installtn)	8/6/2013 8:00	8/30/2013 16:00	\$10,169.76	\$0.00	\$0.00	\$10,169.76
2562620a	Procure Electrical Power cable/conduit Part B	4/15/2013 8:00	8/30/2013 16:00	\$0.00	\$0.00	\$43,100.00	\$43,100.00
282446000	Test Power Distribution	5/20/2013 8:00	8/30/2013 16:00	\$6,555.60	\$0.00	\$0.00	\$6,555.60
2562765	Field map solenoid	7/3/2013 8:00	9/3/2013 16:00	\$19,900.96	\$0.00	\$0.00	\$19,900.96
2547170	Cables - Signal Label and Bundle FDC (528)	7/1/2013 8:00	9/4/2013 16:00	\$9,108.00	\$0.00	\$0.00	\$9,108.00
2552010	Proc Controls (TARGET)	3/18/2013 8:00	9/4/2013 16:00	\$0.00	\$28,000.00	\$3,000.00	\$31,000.00
2562805	Manufacturing Drawings of N2 purge system	7/1/2013 8:00	9/4/2013 16:00	\$23,508.00	\$0.00	\$0.00	\$23,508.00
2546567	Start Counter Integration	6/17/2013 8:00	9/6/2013 16:00	\$3,643.20	\$0.00	\$0.00	\$3,643.20
282446040	Test Start Counter Power Distribution	7/15/2013 8:00	9/6/2013 16:00	\$1,548.36	\$0.00	\$0.00	\$1,548.36
25211230	Alignment Procedures (FWD Chambers)	8/30/2013 8:00	9/11/2013 16:00	\$8,020.40	\$0.00	\$0.00	\$8,020.40
2562180	Install Photon BL Tag Hall (Installtn)	8/1/2013 8:00	9/11/2013 16:00	\$8,417.92	\$3,018.33	\$200.00	\$11,636.25
2552015	Fab Isolation Vac Pumping Sys (TARGET)	7/18/2013 8:00	9/12/2013 16:00	\$0.00	\$21,960.00	\$5,800.00	\$27,760.00
2562400	Racks - Install Hall Upper Level Downstream (D2)	8/20/2013 8:00	9/12/2013 16:00	\$5,057.60	\$0.00	\$0.00	\$5,057.60
2532185	Tagger magnet and NMR control SWT (accel Grp)	5/15/2013 8:00	9/16/2013 16:00	\$10,833.60	\$0.00	\$0.00	\$10,833.60
2547155	Cables - LV Label and Bundle CDC (75)	8/12/2013 8:00	9/16/2013 16:00	\$3,643.20	\$0.00	\$0.00	\$3,643.20
2553013E	FY13 Travel (BL Compnts)	3/1/2013 8:00	9/17/2013 16:00	\$0.00	\$0.00	\$580.29	\$580.29
2553185	Manufacturing Drawings of Photon beamline to dt	8/2/2013 8:00	9/18/2013 16:00	\$16,636.80	\$0.00	\$0.00	\$16,636.80
2547185	Cables - Signal Label and Bundle BCAL (1920)	4/29/2013 8:00	9/20/2013 16:00	\$29,145.60	\$0.00	\$0.00	\$29,145.60
2562096	Install Permanent Magnet Stand (Installtn)	9/17/2013 8:00	9/20/2013 16:00	\$2,490.72	\$0.00	\$200.00	\$2,690.72
1.9 VA STATE		3/1/2013 8:00	9/20/2013 16:00	\$0.00	\$442,106.50	\$16,259.05	\$458,365.55
1.9.5 HALL D - VA STATE		3/1/2013 8:00	9/20/2013 16:00	\$0.00	\$391,808.00	\$0.00	\$391,808.00
1.9.5.2 HALL D DETECTORS		3/1/2013 8:00	9/20/2013 16:00	\$0.00	\$391,808.00	\$0.00	\$391,808.00
1.9.5.2.1 HALL D TRACKING		3/1/2013 8:00	9/20/2013 16:00	\$0.00	\$93,757.00	\$0.00	\$93,757.00
.1.2 HALL D CENTRAL CHAMBERS		3/1/2013 8:00	9/20/2013 16:00	\$0.00	\$93,757.00	\$0.00	\$93,757.00
295212260	Phase 7 Chamber shipping	3/1/2013 8:00	9/20/2013 16:00	\$0.00	\$5,000.00	\$0.00	\$5,000.00
2546660	Twisted Pair Cables for TDCs	5/6/2013 8:00	9/24/2013 16:00	\$0.00	\$2,000.00	\$0.00	\$2,000.00
2562473	Install cable trays on FCAL platform (FCAL/TOF)	8/20/2013 8:00	9/25/2013 16:00	\$8,603.60	\$0.00	\$600.00	\$9,203.60
2562730	Install Upstream cable trays (FDC/CDC/SC)	9/10/2013 8:00	9/25/2013 16:00	\$8,603.60	\$0.00	\$0.00	\$8,603.60
2561105b	Testing and Analysis of completed BCAL modules	3/1/2013 8:00	9/26/2013 16:00	\$26,229.60	\$0.00	\$0.00	\$26,229.60
2562275	Cables - Install on Trays Detector to Racks BCAL	8/27/2013 8:00	9/27/2013 16:00	\$21,936.00	\$0.00	\$0.00	\$21,936.00
25211191	Procurement of Consumables for Fab (2013) (FWD	3/1/2013 8:00	9/30/2013 16:00	\$0.00	\$0.00	\$10,936.00	\$10,936.00
25211217	Cooling system assembly	3/1/2013 8:00	9/30/2013 16:00	\$13,523.60	\$0.00	\$0.00	\$13,523.60
25221057b	Construction BCAL Pulsing System (BarCal) Labor	4/24/2013 8:00	9/30/2013 16:00	\$19,316.80	\$0.00	\$0.00	\$19,316.80
2531005f	Proc Single Board Computing Remaining items (DA	5/1/2013 8:00	9/30/2013 16:00	\$0.00	\$76,197.00	\$0.00	\$76,197.00
2531022	Proc EB nodes (DAQ)	6/3/2013 8:00	9/30/2013 16:00	\$0.00	\$41,500.00	\$0.00	\$41,500.00

2531027 Proc RAID disks (DAQ)	6/3/2013 8:00	9/30/2013 16:00	\$0.00	\$25,500.00	\$0.00	\$25,500.00
2531037 Proc Console Monitors (DAQ)	7/1/2013 8:00	9/30/2013 16:00	\$0.00	\$3,000.00	\$0.00	\$3,000.00
2531047 Proc Telecom Installation (DAQ)	7/1/2013 8:00	9/30/2013 16:00	\$0.00	\$4,500.00	\$0.00	\$4,500.00
2531097 Install infiniband network (DAQ)	7/1/2013 8:00	9/30/2013 16:00	\$18,656.00	\$0.00	\$0.00	\$18,656.00
2531300 Proc Fibers for Service Building to Tagger Hall (DAQ)	7/15/2013 8:00	9/30/2013 16:00	\$0.00	\$11,000.00	\$0.00	\$11,000.00
2531345 Proc Transceivers for Ethernet Switches (DAQ)	6/3/2013 8:00	9/30/2013 16:00	\$0.00	\$12,000.00	\$0.00	\$12,000.00
2531390 Installation Coordination	4/1/2013 8:00	9/30/2013 16:00	\$11,657.60	\$0.00	\$0.00	\$11,657.60
2532013E FY13 Travel (ONLINE COMP)	3/1/2013 8:00	9/30/2013 16:00	\$0.00	\$0.00	\$963.52	\$963.52
2532015 Database web-server wiki installations	8/15/2013 8:00	9/30/2013 16:00	\$9,328.00	\$0.00	\$0.00	\$9,328.00
2532020 Coordination of online computing setup	3/1/2013 8:00	9/30/2013 16:00	\$5,828.80	\$0.00	\$0.00	\$5,828.80
2532120 Archiving Hardware Configuration	6/3/2013 8:00	9/30/2013 16:00	\$23,315.20	\$0.00	\$0.00	\$23,315.20
2532190 Sweeping and pair spectrometer magnet control S	6/3/2013 8:00	9/30/2013 16:00	\$5,416.80	\$0.00	\$0.00	\$5,416.80
2541150 FADC125 Production firmware development FY13	6/3/2013 8:00	9/30/2013 16:00	\$46,598.40	\$0.00	\$0.00	\$46,598.40
2542055 UMASS - F1TDC - Production Test (TDC)	3/1/2013 8:00	9/30/2013 16:00	\$0.00	\$9,434.00	\$0.00	\$9,434.00
2543150 Develop Level-1 Monitor (Hall D grp)	3/1/2013 8:00	9/30/2013 16:00	\$32,054.40	\$0.00	\$0.00	\$32,054.40
2546465 Procure LV Cables	7/29/2013 8:00	9/30/2013 16:00	\$3,643.20	\$800.00	\$0.00	\$4,443.20
25512013LOE FY13 Travel (HODOSCP)	3/1/2013 8:00	9/30/2013 16:00	\$0.00	\$0.00	\$1,828.00	\$1,828.00
25512151 UConn TAGM Contract - Testing of TAGM Electron	3/1/2013 8:00	9/30/2013 16:00	\$0.00	\$2,017.20	\$0.00	\$2,017.20
2552005 Proc Gas Handling Sys (TARGET)	3/1/2013 8:00	9/30/2013 16:00	\$0.00	\$19,500.00	\$22,700.00	\$42,200.00
2552013 Procure explosion proof vaccum pump for H2 targ	7/1/2013 8:00	9/30/2013 16:00	\$0.00	\$18,900.00	\$4,100.00	\$23,000.00
2562005LOE FY13 Work Cordinator (Installtn)	3/1/2013 8:00	9/30/2013 16:00	\$76,514.91	\$0.00	\$0.00	\$76,514.91
2562013E FY13 Travel (Installtn)	3/1/2013 8:00	9/30/2013 16:00	\$0.00	\$0.00	\$1,000.00	\$1,000.00
2562214 Fab field map fixture for PS magnet	7/5/2013 8:00	9/30/2013 16:00	\$0.00	\$7,100.00	\$0.00	\$7,100.00
2562232 Fab BCAL lateral support	8/5/2013 8:00	9/30/2013 16:00	\$0.00	\$3,800.00	\$0.00	\$3,800.00
2562435 Engineering Support for Detector Installation 2013	3/1/2013 8:00	9/30/2013 16:00	\$29,457.96	\$0.00	\$0.00	\$29,457.96
2562440 Engineering Support for Tagger Installation 2013 (I	3/1/2013 8:00	9/30/2013 16:00	\$14,824.80	\$0.00	\$0.00	\$14,824.80
2562610LOE Electrical power engineer support 2013	3/1/2013 8:00	9/30/2013 16:00	\$76,990.75	\$0.00	\$0.00	\$76,990.75
2562685 Fiducialize and survey equipment (2013)	3/1/2013 8:00	9/30/2013 16:00	\$6,162.46	\$0.00	\$1,549.93	\$7,712.39
2562785 Materials for install 2013	3/1/2013 8:00	9/30/2013 16:00	\$0.00	\$50,000.00	\$0.00	\$50,000.00
282453005 Test PS Counters	7/30/2013 8:00	9/30/2013 16:00	\$8,739.20	\$0.00	\$0.00	\$8,739.20
2553110 Manufacturing Drawings for Goniometer vacuum c	8/1/2013 8:00	10/3/2013 16:00	\$23,508.00	\$0.00	\$0.00	\$23,508.00
2561140 Receive FDC (Assy)	9/27/2013 8:00	10/3/2013 16:00	\$3,281.60	\$0.00	\$0.00	\$3,281.60
2562645 Install cable trays and hardware	5/14/2013 8:00	10/3/2013 16:00	\$12,473.92	\$0.00	\$0.00	\$12,473.92
2562625 Install Electrical Dirty Power cable/conduit from P	6/14/2013 8:00	10/7/2013 16:00	\$14,901.48	\$0.00	\$0.00	\$14,901.48
2562835 Install PS shielding	9/9/2013 8:00	10/8/2013 16:00	\$4,890.84	\$0.00	\$0.00	\$4,890.84
25512005a Construct Hodoscope Supprt (HODOSCP)	7/29/2013 8:00	10/9/2013 16:00	\$0.00	\$23,424.13	\$0.00	\$23,424.13
2562360 Install FDC on Platform (Installtn)	10/2/2013 8:00	10/9/2013 16:00	\$7,239.84	\$3,621.98	\$0.00	\$10,861.82
2562745 Fabricate dry air cooling system up racks/drift cha	8/16/2013 8:00	10/9/2013 16:00	\$0.00	\$8,050.00	\$0.00	\$8,050.00
2562845 Install Power cable/conduit tagger	7/11/2013 8:00	10/9/2013 16:00	\$0.00	\$0.00	\$0.00	\$0.00
2546585 Tagger Microscope PreAmp Board (37)	5/24/2013 8:00	10/11/2013 16:00	\$10,929.60	\$15,000.00	\$0.00	\$25,929.60
2543180 Procument of TS boards (FE grp)	7/16/2013 8:00	10/14/2013 16:00	\$0.00	\$8,000.00	\$0.00	\$8,000.00
2562063 Fab field map fixture tagging magnet	6/25/2013 8:00	10/16/2013 16:00	\$0.00	\$18,400.00	\$0.00	\$18,400.00
2562060 Survey & Align tagger beamline (Installtn)	10/4/2013 8:00	10/18/2013 16:00	\$6,872.96	\$0.00	\$0.00	\$6,872.96
2562097 Install Permanent Magnet (Installtn)	9/23/2013 8:00	10/18/2013 16:00	\$4,170.24	\$0.00	\$0.00	\$4,170.24
2562216 Field Map PS magnet	9/5/2013 8:00	10/18/2013 16:00	\$11,870.88	\$0.00	\$0.00	\$11,870.88
2562365 Alignment of FDC (Installtn)	10/10/2013 8:00	10/18/2013 16:00	\$8,397.60	\$0.00	\$0.00	\$8,397.60
282446020 Test Pair Spectrometer Power Distribution	9/9/2013 8:00	10/18/2013 16:00	\$1,821.60	\$0.00	\$0.00	\$1,821.60

2531340 Proc Accessories for Computing Cluster (DAQ)	7/1/2013 8:00	10/24/2013 16:00	\$0.00	\$10,029.00	\$0.00	\$10,029.00
2562275b Cables - Route on Racks BCAL	10/18/2013 8:00	10/24/2013 16:00	\$5,477.60	\$0.00	\$0.00	\$5,477.60
282446010 Test Pair Spectrometer PS Readout Board	9/9/2013 8:00	10/24/2013 16:00	\$6,555.60	\$0.00	\$0.00	\$6,555.60
282446015a Test Pair Spectrometer Transition Board	9/9/2013 8:00	10/24/2013 16:00	\$1,821.60	\$0.00	\$0.00	\$1,821.60
2562205 Install NIM and CAEN Crates in Counting Room (In:	10/1/2013 8:00	10/28/2013 16:00	\$9,472.00	\$0.00	\$0.00	\$9,472.00
2562850 Procure UPS system for critical controls	8/16/2013 8:00	10/28/2013 16:00	\$0.00	\$4,600.00	\$0.00	\$4,600.00
2553140 Manufacturing Drawings of Amorphous target inse	9/3/2013 8:00	10/30/2013 16:00	\$17,719.20	\$0.00	\$0.00	\$17,719.20
282443020 Acceptance test of GTP boards (FE grp)	8/12/2013 8:00	10/30/2013 16:00	\$20,386.80	\$0.00	\$0.00	\$20,386.80
25231125 FSU - Polishing and Gluing of Third 30 Units	3/1/2013 8:00	10/31/2013 16:00	\$0.00	\$16,382.87	\$0.00	\$16,382.87
25231130 FSU - Wrapping of Third 30 Units	3/1/2013 8:00	10/31/2013 16:00	\$0.00	\$9,014.50	\$0.00	\$9,014.50
25231135 FSU - Mount PMT and Testing of Third 30 Units	3/1/2013 8:00	10/31/2013 16:00	\$0.00	\$18,739.86	\$0.00	\$18,739.86
2553044 Build PS High granularity Support Frame	9/3/2013 8:00	10/31/2013 16:00	\$0.00	\$6,200.00	\$0.00	\$6,200.00
2562335 Install Pwr to Racks Platform #2 (Installtn)	10/1/2013 8:00	10/31/2013 16:00	\$9,754.48	\$36,219.88	\$0.00	\$45,974.36
2562695 Fab cooling system for FCAL dark room	9/3/2013 8:00	10/31/2013 16:00	\$0.00	\$7,900.00	\$0.00	\$7,900.00
25213025 Assemble start counter support frame	8/22/2013 8:00	11/1/2013 16:00	\$10,232.00	\$0.00	\$0.00	\$10,232.00
2553135 Procure cooling system for PS detector	9/5/2013 8:00	11/1/2013 16:00	\$0.00	\$5,600.00	\$0.00	\$5,600.00
2562233 Install BCAL lateral support	10/1/2013 8:00	11/1/2013 16:00	\$3,958.24	\$0.00	\$300.00	\$4,258.24
2562770 Manufacturing Drawings of fixture for commission	8/1/2013 8:00	11/1/2013 16:00	\$23,508.00	\$0.00	\$0.00	\$23,508.00
2546470 Pair Spectrometer Integration	7/15/2013 8:00	11/4/2013 16:00	\$10,929.60	\$0.00	\$0.00	\$10,929.60
2547135 Cables - HV Label and Bundle CDC (6)	10/1/2013 8:00	11/4/2013 16:00	\$1,821.60	\$0.00	\$0.00	\$1,821.60
2547140 Cables - Signal Label and Bundle CDC (150)	10/1/2013 8:00	11/4/2013 16:00	\$1,821.60	\$0.00	\$0.00	\$1,821.60
2562275c Cables - Connect to Crate Electronics BCAL	10/25/2013 8:00	11/4/2013 16:00	\$8,377.20	\$0.00	\$0.00	\$8,377.20
2562636 Manufacture Drawing Inst Air Sys	10/1/2013 8:00	11/4/2013 16:00	\$23,508.00	\$0.00	\$0.00	\$23,508.00
2562875 Develop flammable gas detection system in solenc	9/3/2013 8:00	11/4/2013 16:00	\$18,844.08	\$0.00	\$0.00	\$18,844.08
2562275a Cables - Route and Connect on Detector BCAL	9/27/2013 8:00	11/7/2013 16:00	\$14,624.00	\$0.00	\$0.00	\$14,624.00
2546600 Tagger Hodoscope PreAmp Board (233)	7/29/2013 8:00	11/8/2013 16:00	\$17,485.20	\$40,000.00	\$0.00	\$57,485.20
2548025 Full Crate Check - Pre Installation,Lab,Install Mods,	8/5/2013 8:00	11/8/2013 16:00	\$4,734.00	\$0.00	\$0.00	\$4,734.00
2562290 Cables - Install on Trays Detector to Racks CDC	11/5/2013 8:00	11/12/2013 16:00	\$9,133.60	\$0.00	\$0.00	\$9,133.60
2531165 Install VME based electronic for Controls/Monitori	8/13/2013 8:00	11/15/2013 16:00	\$11,657.60	\$0.00	\$0.00	\$11,657.60
2546640 Cables Type 1 (TAGH PS PSC COLLI) (350)	5/6/2013 8:00	11/15/2013 16:00	\$0.00	\$21,000.00	\$0.00	\$21,000.00
2546645 Splitter Output (TOF TAGM PSC) (630)	5/6/2013 8:00	11/15/2013 16:00	\$0.00	\$35,000.00	\$0.00	\$35,000.00
2561110 Receive CDC for Storage (Assy)	9/13/2013 8:00	11/15/2013 16:00	\$11,299.20	\$2,656.12	\$0.00	\$13,955.32
2562700 Install Cooling system for FCAL dark room	10/18/2013 8:00	11/15/2013 16:00	\$6,082.08	\$0.00	\$0.00	\$6,082.08
ELECTRONICS BOARDS CHECKOUT	5/20/2013 8:00	11/15/2013 16:00	\$32,962.32	\$0.00	\$0.00	\$32,962.32
282446025 Test Pair Spectrometer System	9/9/2013 8:00	11/15/2013 16:00	\$6,555.60	\$0.00	\$0.00	\$6,555.60
2547125 Cables - HV Label and Bundle Pair Spectrometer (5	11/4/2013 8:00	11/18/2013 16:00	\$1,821.60	\$0.00	\$0.00	\$1,821.60
2547130 Cables - Signal Label and Bundle Pair Spectromete	11/4/2013 8:00	11/18/2013 16:00	\$1,821.60	\$0.00	\$0.00	\$1,821.60
2532250 EPICS Archving and Restoration	6/3/2013 8:00	11/19/2013 16:00	\$17,486.40	\$0.00	\$0.00	\$17,486.40
2552012 Program Target Controls	9/5/2013 8:00	11/19/2013 16:00	\$10,833.60	\$0.00	\$0.00	\$10,833.60
25231010 FSU contract support and supervision	3/1/2013 8:00	11/20/2013 16:00	\$30,856.71	\$0.00	\$0.00	\$30,856.71
2553005 Proc Raw Radiator Diamond Crystals (BL Compnts)	8/2/2013 8:00	11/20/2013 16:00	\$0.00	\$37,440.00	\$0.00	\$37,440.00
2562206 Install Computers in Counting Room (Installtn) Par	10/29/2013 8:00	11/20/2013 16:00	\$9,472.00	\$0.00	\$0.00	\$9,472.00
2562393 Install/test gas systems	7/31/2013 8:00	11/20/2013 16:00	\$71,895.60	\$0.00	\$600.00	\$72,495.60
2562370 Cables - Install on Trays Detector to Racks FDC	10/23/2013 8:00	11/21/2013 16:00	\$12,802.40	\$0.00	\$0.00	\$12,802.40
2562370a Cables - Route and Connect on Detector FDC	10/23/2013 8:00	11/21/2013 16:00	\$10,929.60	\$0.00	\$0.00	\$10,929.60
2562370b Cables - Route on Racks FDC	10/23/2013 8:00	11/21/2013 16:00	\$10,968.00	\$0.00	\$0.00	\$10,968.00
2562750 Install dry air cooling system up racks/drift chamb	10/8/2013 8:00	11/21/2013 16:00	\$14,210.56	\$0.00	\$0.00	\$14,210.56



	2562210	Install Supprt Electrnc's in Counting Room (Installt	10/29/2013 8:00	11/25/2013 16:00	\$0.00	\$0.00	\$12,073.29	\$12,073.29
	2531375	Check-out Counting House (DAQ)	10/15/2013 8:00	11/26/2013 16:00	\$5,828.80	\$0.00	\$0.00	\$5,828.80
1.5.2.2.1	BARREL CALORIMETER		3/1/2013 8:00	11/27/2013 16:00	\$93,995.20	\$280,264.00	\$14,200.00	\$388,459.20
	25221060	Setup and Testing of BCAL Pulsing System	8/2/2013 8:00	11/27/2013 16:00	\$30,593.60	\$0.00	\$0.00	\$30,593.60
	25231140	FSU - Construction Manager	3/1/2013 8:00	11/27/2013 16:00	\$0.00	\$65,867.51	\$0.00	\$65,867.51
	2541145	fADC125 - Test (Qty 217) (FADC)	3/18/2013 8:00	11/27/2013 16:00	\$36,792.00	\$0.00	\$0.00	\$36,792.00
	2546630	BIAS Power Supplies (5)	3/11/2013 8:00	11/27/2013 16:00	\$0.00	\$41,250.00	\$0.00	\$41,250.00
	2546635	LV Power Supplies (2)	3/11/2013 8:00	11/27/2013 16:00	\$0.00	\$7,000.00	\$0.00	\$7,000.00
	25512146	UConn TAGM Contract - Complete Construction of	3/1/2013 8:00	11/27/2013 16:00	\$0.00	\$3,446.80	\$0.00	\$3,446.80
	2553190	Fabricate photon beamline to dump	9/12/2013 8:00	11/27/2013 16:00	\$0.00	\$12,200.00	\$0.00	\$12,200.00
	2562810	Procure N2 purge system	9/5/2013 8:00	11/27/2013 16:00	\$0.00	\$5,400.00	\$0.00	\$5,400.00
	2543144	Study Algorithms with Test Stand (Hall D grp)	6/10/2013 8:00	12/2/2013 16:00	\$11,657.60	\$0.00	\$0.00	\$11,657.60
	2562420	Install Supprt Electrnc's FCAL/TOF Racks (Installtn)	9/30/2013 8:00	12/3/2013 16:00	\$10,929.60	\$0.00	\$12,073.29	\$23,002.89
	2562230	Attach readout wedges to the BCAL modules in sit	8/19/2013 8:00	12/4/2013 16:00	\$36,124.28	\$0.00	\$3,500.00	\$39,624.28
1.5.2.2	CALORIMETRY		3/1/2013 8:00	12/5/2013 16:00	\$138,330.83	\$280,264.00	\$22,200.00	\$440,794.83
5.2.2.2	FORWARD CALORIMETER		3/1/2013 8:00	12/5/2013 16:00	\$44,335.63	\$0.00	\$8,000.00	\$52,335.63
	25222085	Fabricate and Install Monitoring Panes (FCAL)	6/3/2013 8:00	12/5/2013 16:00	\$19,516.40	\$0.00	\$8,000.00	\$27,516.40
	2553165	Fab radiator holder	11/1/2013 8:00	12/5/2013 16:00	\$0.00	\$3,600.00	\$0.00	\$3,600.00
	2552018a	Fab Outer Vac/Scattering Chamb (TARGET)	10/14/2013 8:00	12/6/2013 16:00	\$13,900.80	\$0.00	\$10,866.00	\$24,766.80
	2541120	fADC125 - Full Single-Crate Acceptance Test (FADC	8/9/2013 8:00	12/9/2013 16:00	\$18,936.00	\$0.00	\$0.00	\$18,936.00
1.5.4.8	FULL CRATE CHECKS		3/19/2013 8:00	12/9/2013 16:00	\$29,134.80	\$0.00	\$0.00	\$29,134.80
	2548020	Full Crate Check - Pre Installation,Lab,Install Mods,	8/15/2013 8:00	12/9/2013 16:00	\$4,734.00	\$0.00	\$0.00	\$4,734.00
	2532040	Run bookkeeping scripts (database;data files and s	6/17/2013 8:00	12/13/2013 16:00	\$17,486.40	\$0.00	\$0.00	\$17,486.40
	2561160	Receive TOF Detector Units (Assy)	12/2/2013 8:00	12/13/2013 16:00	\$3,281.60	\$0.00	\$0.00	\$3,281.60
	2531315	Install Computing Infrastructure (DAQ)	3/1/2013 8:00	12/16/2013 16:00	\$37,312.00	\$0.00	\$0.00	\$37,312.00
	2531330	Proc L3 Farm Infrastucture (DAQ)	11/1/2013 8:00	12/16/2013 16:00	\$0.00	\$34,000.00	\$0.00	\$34,000.00
	2547195	Cables - Signal Label and Bundle FCAL (1100)	10/29/2013 8:00	12/17/2013 16:00	\$18,216.00	\$0.00	\$0.00	\$18,216.00
	2562235	Comp B-cal Assy (Installtn)	12/5/2013 8:00	12/18/2013 16:00	\$9,286.24	\$2,414.67	\$0.00	\$11,700.91
	2562405	Install Pwr to FCAL/TOF Racks (Installtn)	10/15/2013 8:00	12/18/2013 16:00	\$0.00	\$24,146.57	\$0.00	\$24,146.57
	2562637	Procure Inst Air Sys	11/5/2013 8:00	12/18/2013 16:00	\$0.00	\$0.00	\$4,600.00	\$4,600.00
1.5.2.3	PARTICLE ID		3/1/2013 8:00	12/20/2013 16:00	\$48,215.91	\$389,776.12	\$1,828.00	\$439,820.03
1.5.2.3.1	TIME OF FLIGHT		3/1/2013 8:00	12/20/2013 16:00	\$48,215.91	\$389,776.12	\$1,828.00	\$439,820.03
	25231145	FSU - Shipping of TOF	3/1/2013 8:00	12/20/2013 16:00	\$0.00	\$11,939.51	\$0.00	\$11,939.51
	2531350	Proc Hardware for Microscope Voltage Control (D/	8/1/2013 8:00	12/20/2013 16:00	\$0.00	\$3,000.00	\$0.00	\$3,000.00
	2532135	BCAL Gas System Controls	11/1/2013 8:00	12/20/2013 16:00	\$5,788.80	\$0.00	\$0.00	\$5,788.80
	2546615	BCAL/FCAL Monitoring Distribution COTS Electroni	10/1/2013 8:00	12/20/2013 16:00	\$0.00	\$30,000.00	\$0.00	\$30,000.00
	25512156	UConn TAGM Contract - Complete 20 Optical Fibe	3/1/2013 8:00	12/20/2013 16:00	\$0.00	\$63,252.90	\$0.00	\$63,252.90
	25512161	UConn TAGM Contract - Complete Construction of	3/1/2013 8:00	12/20/2013 16:00	\$0.00	\$3,571.60	\$0.00	\$3,571.60
	2553064	UConn Contract - Delivery of Active Collimator to J	3/1/2013 8:00	12/20/2013 16:00	\$0.00	\$679.00	\$0.00	\$679.00
	2562290a	Cables - Route and Connect on Detector CDC	11/13/2013 8:00	12/20/2013 16:00	\$14,611.20	\$0.00	\$0.00	\$14,611.20
	2553150	Manufacturing Drawings of polarimeter vacuum c	10/30/2013 8:00	1/2/2014 16:00	\$20,613.60	\$0.00	\$0.00	\$20,613.60
	2562165	Install High Granularity Pair Spectrometer (Installt	11/1/2013 8:00	1/2/2014 16:00	\$11,988.64	\$0.00	\$300.00	\$12,288.64
	2532055	Write COOL Config Files	9/3/2013 8:00	1/6/2014 16:00	\$11,657.60	\$0.00	\$0.00	\$11,657.60
	2542070	F1TDC develop firmware	7/8/2013 8:00	1/7/2014 16:00	\$23,299.20	\$0.00	\$0.00	\$23,299.20
	2562099	Cables - Install on Trays Detector to Racks Pair Spe	12/9/2013 8:00	1/7/2014 16:00	\$3,643.20	\$0.00	\$0.00	\$3,643.20
	282462005	Operation Checks FDC (outside Solenoid) (Installtn	11/25/2013 8:00	1/7/2014 16:00	\$32,511.76	\$0.00	\$0.00	\$32,511.76
	2562550	Crates - Loaded (VME64x VXS HV LV) Install Hall FC	11/27/2013 12:00	1/8/2014 12:00	\$14,572.80	\$0.00	\$0.00	\$14,572.80

2532130	FDC/CDC Gas Systems Controls	10/29/2013 8:00	1/9/2014 16:00	\$8,683.20	\$0.00	\$0.00	\$8,683.20
2562290b	Cables - Route on Racks CDC	1/2/2014 8:00	1/9/2014 16:00	\$3,643.20	\$0.00	\$0.00	\$3,643.20
2552035	Fab Positioning/Mounting Sys (TARGET)	11/1/2013 8:00	1/13/2014 16:00	\$0.00	\$12,600.00	\$3,600.00	\$16,200.00
2562370c	Cables - Connect to Crate Electronics FDC	10/23/2013 8:00	1/13/2014 16:00	\$6,555.60	\$0.00	\$0.00	\$6,555.60
2562278	BCAL DAQ Control and Trigger set-up	11/5/2013 8:00	1/14/2014 16:00	\$26,229.60	\$0.00	\$0.00	\$26,229.60
2562520	Crates - Loaded (VME64x VXS HV LV) Install Hall Pa	1/8/2014 8:00	1/14/2014 16:00	\$3,643.20	\$0.00	\$0.00	\$3,643.20
2562270	Install Supprt Electrnc's, Platform #1 (Installtn)	11/4/2013 8:00	1/15/2014 16:00	\$10,929.60	\$0.00	\$8,451.30	\$19,380.90
2562855	Install UPS system for critical controls	11/4/2013 8:00	1/15/2014 16:00	\$9,172.00	\$0.00	\$0.00	\$9,172.00
1.5.2.1.2	CENTRAL CHAMBERS	3/1/2013 8:00	1/16/2014 16:00	\$35,236.12	\$0.00	\$0.00	\$35,236.12
25212010	Prepare as built drawings for CDC (CENT CHAMB)	11/19/2013 8:00	1/16/2014 16:00	\$14,593.04	\$0.00	\$0.00	\$14,593.04
2562380	Insertion of FDC (Installtn)	1/8/2014 8:00	1/16/2014 16:00	\$17,352.08	\$12,073.29	\$0.00	\$29,425.37
2532035	Create scripts to launch and kill: CODA system, mo	8/1/2013 8:00	1/17/2014 16:00	\$11,657.60	\$0.00	\$0.00	\$11,657.60
2532070	Implement Translation Tables	8/1/2013 8:00	1/17/2014 16:00	\$8,743.20	\$0.00	\$0.00	\$8,743.20
2562530	Crates - Loaded (VME64x VXS HV LV) Install Hall CI	12/10/2013 8:00	1/17/2014 16:00	\$7,286.40	\$0.00	\$0.00	\$7,286.40
2562090	Install Tagger Electrnc's (Installtn)	1/7/2014 8:00	1/21/2014 16:00	\$11,512.08	\$0.00	\$4,829.31	\$16,341.39
2562290c	Cables - Connect to Crate Electronics CDC	1/10/2014 8:00	1/21/2014 16:00	\$6,555.60	\$0.00	\$0.00	\$6,555.60
2562099a	Cables - Route and Connect on Detector Pair Spect	1/8/2014 8:00	1/22/2014 16:00	\$3,643.20	\$0.00	\$0.00	\$3,643.20
2562525	Crates - Loaded (VME64x VXS HV LV) Install Hal St:	1/15/2014 8:00	1/22/2014 16:00	\$3,643.20	\$0.00	\$0.00	\$3,643.20
2562061	Field Map Tagging Magnet (Installtn)	10/17/2013 8:00	1/23/2014 16:00	\$23,684.00	\$0.00	\$0.00	\$23,684.00
1.5.2.1.3	START COUNTERS	5/3/2013 8:00	1/28/2014 16:00	\$21,621.20	\$28,433.00	\$5,100.00	\$55,154.20
25213005	Fabricate (FIU) Start Counter (START COUNTERS)	7/1/2013 8:00	1/28/2014 16:00	\$0.00	\$28,433.00	\$0.00	\$28,433.00
2546610	BCAL/FCAL Monitoring Distribution Sys. Procurem	8/12/2013 8:00	1/28/2014 16:00	\$10,198.80	\$0.00	\$0.00	\$10,198.80
2546620	BCAL/FCAL Monitoring Distribution Box (10)	8/19/2013 8:00	1/28/2014 16:00	\$9,108.00	\$10,000.00	\$0.00	\$19,108.00
2562099b	Cables - Route on Racks Pair Spectrometer	1/23/2014 8:00	1/29/2014 16:00	\$1,821.60	\$0.00	\$0.00	\$1,821.60
2562385	Cooling Sys Checks for FDC (Installtn)	1/17/2014 8:00	1/29/2014 16:00	\$4,826.56	\$0.00	\$0.00	\$4,826.56
2562540	Crates - Loaded (VME64x VXS HV LV) Install Hall BC	1/15/2014 12:00	1/30/2014 12:00	\$14,572.80	\$0.00	\$0.00	\$14,572.80
2553080	Proc Active Collimator Control Equipment (HalID)	4/1/2013 8:00	1/30/2014 16:00	\$0.00	\$15,624.00	\$0.00	\$15,624.00
2531005fa	Proc Single Board Computing Remaining items (DA	11/1/2013 8:00	1/31/2014 16:00	\$0.00	\$154,703.00	\$0.00	\$154,703.00
2531089	Procure Conference Equipment (DAQ)	10/1/2013 8:00	1/31/2014 16:00	\$0.00	\$15,476.00	\$0.00	\$15,476.00
2532080	ROOTSpy enabled Monitoring Processes	8/1/2013 8:00	1/31/2014 16:00	\$23,315.20	\$0.00	\$0.00	\$23,315.20
2546625	BCAL/FCAL Monitoring Distribution Cables (64+64)	9/3/2013 8:00	1/31/2014 16:00	\$0.00	\$9,600.00	\$0.00	\$9,600.00
2547190	Cables - HV Label and Bundle TOF (168)	1/7/2014 8:00	1/31/2014 16:00	\$3,643.20	\$0.00	\$0.00	\$3,643.20
2547200	Cables - Signal Label and Bundle TOF (168)	1/7/2014 8:00	1/31/2014 16:00	\$3,643.20	\$0.00	\$0.00	\$3,643.20
25512166	UConn TAGM Contract - Complete Assembly of Fu	3/1/2013 8:00	1/31/2014 16:00	\$0.00	\$3,782.20	\$0.00	\$3,782.20
2553145	Fab Amorphous insertion device (e-beam)	11/4/2013 8:00	1/31/2014 16:00	\$0.00	\$19,500.00	\$0.00	\$19,500.00
2562775	Fab Fixture for commissioning target	11/4/2013 8:00	1/31/2014 16:00	\$0.00	\$8,000.00	\$0.00	\$8,000.00
2562880	Procure flammable gas detection system	11/5/2013 8:00	1/31/2014 16:00	\$0.00	\$8,200.00	\$0.00	\$8,200.00
2553085	Support Control Active Collimator (HalID)	4/1/2013 8:00	2/3/2014 16:00	\$8,723.20	\$0.00	\$0.00	\$8,723.20
2552007	Install Gas Tank (TARGET)	11/1/2013 8:00	2/5/2014 16:00	\$0.00	\$18,500.00	\$0.00	\$18,500.00
2562300	Mounting CDC on cart align and insert into solenoi	1/17/2014 8:00	2/5/2014 16:00	\$16,040.80	\$0.00	\$0.00	\$16,040.80
25512065	Manufacturing Drawings for microscope cooling	11/27/2013 12:00	2/6/2014 12:00	\$11,537.52	\$0.00	\$0.00	\$11,537.52
2562545	Crates - Loaded (VME64x VXS HV LV) Install Hall TC	1/30/2014 12:00	2/6/2014 12:00	\$3,643.20	\$0.00	\$0.00	\$3,643.20
2553016	Build Vacuum Housing for Goniometer (BL Compr	11/4/2013 8:00	2/6/2014 16:00	\$0.00	\$24,146.57	\$0.00	\$24,146.57
2562065	Install Pwr for Tagger Electrnc's (Installtn)	1/9/2014 10:00	2/7/2014 10:00	\$7,001.60	\$0.00	\$0.00	\$7,001.60
2562099c	Cables - Connect to Crate Electronics Pair Spectror	1/30/2014 8:00	2/12/2014 16:00	\$4,734.00	\$0.00	\$0.00	\$4,734.00
2547115	Cables - HV Label and Bundle Tagger/Hodoscope (	1/22/2014 8:00	2/14/2014 16:00	\$3,643.20	\$0.00	\$0.00	\$3,643.20
2547120	Cables - Signal Label and Bundle Tagger/Hodoscop	1/22/2014 8:00	2/14/2014 16:00	\$3,643.20	\$0.00	\$0.00	\$3,643.20

2552023aa	Fab Target Cells (TARGET)	10/1/2013 8:00	2/17/2014 16:00	\$5,172.09	\$0.00	\$1,800.00	\$6,972.09
2531115	Install VME CPUs	8/1/2013 8:00	2/18/2014 16:00	\$29,144.00	\$0.00	\$0.00	\$29,144.00
2532145	Temperature/Humidity monitoring	12/2/2013 8:00	2/18/2014 16:00	\$11,577.60	\$0.00	\$0.00	\$11,577.60
2562303	Install FDC/CDC Alignment Check System (Installtn	2/5/2014 8:00	2/18/2014 16:00	\$10,232.00	\$0.00	\$0.00	\$10,232.00
2531088	Procure and Install cameras in the hall (DAQ)	11/27/2013 12:00	2/19/2014 12:00	\$2,912.40	\$20,000.00	\$0.00	\$22,912.40
2562535	Crates - Loaded (VME64x VXS HV LV) Install Hall FC	11/27/2013 12:00	2/20/2014 12:00	\$14,572.80	\$0.00	\$0.00	\$14,572.80
2562860	Install Electron beamline to dump	1/8/2014 8:00	2/20/2014 16:00	\$7,381.56	\$0.00	\$200.00	\$7,581.56
2553057	Sientific support for Pair spectrometer characteriz	7/3/2013 8:00	2/21/2014 16:00	\$29,144.00	\$0.00	\$0.00	\$29,144.00
2562301	CDC mounting electronics and other connections i	2/6/2014 8:00	2/26/2014 16:00	\$14,200.80	\$0.00	\$0.00	\$14,200.80
2532230	Alarms (configuration,display, history)	11/12/2013 8:00	2/27/2014 16:00	\$26,542.00	\$0.00	\$0.00	\$26,542.00
2543115	Performance testing of global trigger system (FE gr	7/17/2013 8:00	2/27/2014 16:00	\$49,512.80	\$0.00	\$0.00	\$49,512.80
25512010	Catholic University Tagger Hodoscope Fixed Array	3/1/2013 8:00	2/28/2014 16:00	\$0.00	\$45,000.00	\$0.00	\$45,000.00
25512010a	Catholic University Tagger Hodoscope Fixed Array	3/1/2013 8:00	2/28/2014 16:00	\$1,447.20	\$0.00	\$0.00	\$1,447.20
25512171	UConn TAGM Contract - Disassemble TAGM and P	3/1/2013 8:00	2/28/2014 16:00	\$0.00	\$2,627.40	\$0.00	\$2,627.40
25512176	UConn TAGM Contract - TAGM Delivered to JLab	3/1/2013 8:00	2/28/2014 16:00	\$0.00	\$2,627.40	\$0.00	\$2,627.40
2546655	Splitters Parts Boards and Assembly (10)	10/1/2013 8:00	3/3/2014 16:00	\$9,108.00	\$18,000.00	\$0.00	\$27,108.00
2562280	Technical Support for Bcal Testing (Installtn)	11/6/2013 8:00	3/3/2014 16:00	\$13,111.20	\$0.00	\$0.00	\$13,111.20
282462020	System Check-out Install Hall Pair Spectrometer	2/18/2014 8:00	3/3/2014 16:00	\$6,555.60	\$0.00	\$0.00	\$6,555.60
2531395	Procure Small UPSs for Tagger Hall and Hall D (DA	11/1/2013 8:00	3/4/2014 16:00	\$0.00	\$20,979.00	\$0.00	\$20,979.00
2532205	Motors (radiator, converter, collimator, tagger)	6/3/2013 8:00	3/4/2014 16:00	\$26,332.80	\$0.00	\$0.00	\$26,332.80
2532200	Vacuum System Controls (accel Grp)	11/27/2013 12:00	3/6/2014 12:00	\$10,833.60	\$0.00	\$0.00	\$10,833.60
2531400	Procure and Install Voltage Chassis Remote Reset	12/5/2013 8:00	3/10/2014 16:00	\$1,821.60	\$2,370.00	\$0.00	\$4,191.60
2553200	Manufacturing Drawings of Total Absorption Coun	2/5/2014 8:00	3/10/2014 16:00	\$18,625.20	\$0.00	\$0.00	\$18,625.20
2562475	Cables - Install on Trays Detector to Racks FCAL	1/2/2014 8:00	3/11/2014 16:00	\$21,936.00	\$0.00	\$0.00	\$21,936.00
2562635	Install air lines in hall D	1/7/2014 8:00	3/11/2014 16:00	\$13,552.15	\$0.00	\$0.00	\$13,552.15
1.8.2.4.5	HALL D BEAMLINE	4/22/2013 8:00	3/11/2014 16:00	\$54,274.80	\$0.00	\$0.00	\$54,274.80
3	BEAMLINE COMPONENT TESTING	4/22/2013 8:00	3/11/2014 16:00	\$54,274.80	\$0.00	\$0.00	\$54,274.80
282453000	Check Operation of Goniometer (BL Compnts)	12/6/2013 8:00	3/11/2014 16:00	\$32,058.40	\$0.00	\$0.00	\$32,058.40
2531310	Install DAQ Equipment in Hall (DAQ)	9/26/2013 8:00	3/13/2014 16:00	\$11,657.60	\$0.00	\$0.00	\$11,657.60
282462030	System Check-out Install Hall CDC	1/22/2014 8:00	3/14/2014 16:00	\$13,111.20	\$0.00	\$0.00	\$13,111.20
2532100	Transport from RAID to Tape Silo	11/1/2013 8:00	3/17/2014 16:00	\$18,656.00	\$0.00	\$0.00	\$18,656.00
2532215	CSS Control GUIs	7/31/2013 8:00	3/17/2014 16:00	\$22,664.00	\$0.00	\$0.00	\$22,664.00
2562478	FCAL DAQ and Trigger_Setup	1/10/2014 8:00	3/17/2014 16:00	\$28,805.60	\$0.00	\$0.00	\$28,805.60
2531100	Install DAQ fibers to switches (DAQ)	11/27/2013 12:00	3/18/2014 12:00	\$0.00	\$19,087.00	\$0.00	\$19,087.00
2541152	Algorithm Development for DC FADC125	5/3/2013 8:00	3/20/2014 16:00	\$58,288.00	\$0.00	\$0.00	\$58,288.00
2532155	Cryo Target Controls	1/9/2014 10:00	3/21/2014 10:00	\$14,472.00	\$0.00	\$0.00	\$14,472.00
2532210	Control for pulser monitoring	1/22/2014 8:00	3/21/2014 16:00	\$5,828.80	\$0.00	\$0.00	\$5,828.80
2553055	Assemble and Test Pair convertor (BL Compnts)	12/3/2013 8:00	3/21/2014 16:00	\$23,994.40	\$0.00	\$0.00	\$23,994.40
2553155	Fab polarimeter vacuum chamber	2/5/2014 8:00	3/21/2014 16:00	\$0.00	\$5,900.00	\$0.00	\$5,900.00
2553195	Install photon beamline to dump	1/29/2014 8:00	3/24/2014 16:00	\$9,660.28	\$0.00	\$100.00	\$9,760.28
2562091M	Tagger Ready For Beam (Installtn)		3/24/2014 16:00	\$0.00	\$0.00	\$0.00	\$0.00
2562480	Install Pulsing Sys for Fcal (Installtn)	3/12/2014 8:00	3/24/2014 16:00	\$6,570.40	\$0.00	\$11,800.00	\$18,370.40
2562475a	Cables - Route and Connect on Detector FCAL	3/13/2014 8:00	3/26/2014 16:00	\$7,312.00	\$0.00	\$0.00	\$7,312.00
1.5.5.1	TAGGER	3/1/2013 8:00	3/28/2014 12:00	\$71,176.12	\$575,107.22	\$22,928.00	\$669,211.34
1.5.5.1.2	HODOSCOPE	3/1/2013 8:00	3/28/2014 12:00	\$51,497.72	\$391,592.13	\$3,028.00	\$446,117.85
25512070	Fab microscope cooling	2/25/2014 12:00	3/28/2014 12:00	\$0.00	\$5,900.00	\$1,200.00	\$7,100.00
2532180	BIAS Control for Microscope	1/2/2014 8:00	3/31/2014 16:00	\$11,657.60	\$0.00	\$0.00	\$11,657.60

2542075	FPGA Coding, Hardware & Firmware Integration T	1/29/2014 8:00	3/31/2014 16:00	\$17,474.40	\$0.00	\$0.00	\$17,474.40
2553170	Procure goniometer vacuum pump/instrumentatic	12/9/2013 8:00	3/31/2014 16:00	\$0.00	\$29,100.00	\$0.00	\$29,100.00
2562780	Install Commissioning target with Start Counter	3/3/2014 8:00	3/31/2014 16:00	\$9,868.80	\$0.00	\$0.00	\$9,868.80
2532050	Readout Lists	8/1/2013 8:00	4/1/2014 16:00	\$17,486.40	\$0.00	\$0.00	\$17,486.40
2532140	Controls for Chillers (FDC;BCAL;Target)	9/3/2013 8:00	4/1/2014 16:00	\$11,577.60	\$0.00	\$0.00	\$11,577.60
2532170	HV Controls (FDC; CDC; TOF; FCAL; HODO)	5/1/2013 8:00	4/1/2014 16:00	\$18,995.20	\$0.00	\$0.00	\$18,995.20
2532175	LV Controls (BCAL; ST; FDC)	5/1/2013 8:00	4/1/2014 16:00	\$20,829.60	\$0.00	\$0.00	\$20,829.60
2552028	Prepare Procurements/Fabrication Packages solid	2/3/2014 8:00	4/1/2014 16:00	\$26,394.84	\$0.00	\$0.00	\$26,394.84
2562475b	Cables - Route on Racks FCAL	3/27/2014 8:00	4/2/2014 16:00	\$5,464.80	\$0.00	\$0.00	\$5,464.80
2532150	FCAL Dark Room Controls	2/10/2014 8:00	4/8/2014 16:00	\$11,577.60	\$0.00	\$0.00	\$11,577.60
2531360	Patch Panels and Cu Cables to CH (DAQ)	11/27/2013 12:00	4/9/2014 12:00	\$1,834.40	\$3,500.00	\$0.00	\$5,334.40
2562080	Install Hodoscope (Installtn)	3/28/2014 12:00	4/11/2014 12:00	\$24,784.48	\$0.00	\$3,300.00	\$28,084.48
2543165	Level-1 Verification and Debugging (Hall D grp)	5/10/2013 8:00	4/11/2014 16:00	\$20,398.80	\$0.00	\$0.00	\$20,398.80
2562630	Install nitrogen lines in hall D	3/12/2014 8:00	4/16/2014 16:00	\$13,262.71	\$0.00	\$0.00	\$13,262.71
1.5.6.1	ASSEMBLY	3/1/2013 8:00	4/17/2014 16:00	\$162,121.17	\$15,822.08	\$600.00	\$178,543.25
2561165	Mount TOF Counters onto Detector Frame (Assy)	1/24/2014 8:00	4/17/2014 16:00	\$21,238.40	\$10,865.96	\$0.00	\$32,104.36
2562505	Install Trigger Electrnc's (Installtn)	3/24/2014 8:00	4/18/2014 16:00	\$9,108.00	\$0.00	\$0.00	\$9,108.00
2562450	Install TOF Sys (Installtn)	3/31/2014 8:00	4/22/2014 16:00	\$11,644.64	\$0.00	\$1,200.00	\$12,844.64
2562475c	Cables - Connect to Crate Electronics FCAL	4/3/2014 8:00	4/22/2014 16:00	\$6,555.60	\$0.00	\$0.00	\$6,555.60
2562095	Cables - Install on Trays Detector to Racks Tagger	4/14/2014 12:00	4/28/2014 12:00	\$3,643.20	\$0.00	\$0.00	\$3,643.20
2531370	Check-out Online Computers (DAQ)	3/4/2014 8:00	4/28/2014 16:00	\$8,417.60	\$0.00	\$0.00	\$8,417.60
2562515	Crates - Loaded (VME64x VXS HV LV) Install Hall T	4/22/2014 8:00	4/28/2014 16:00	\$3,643.20	\$0.00	\$0.00	\$3,643.20
2531380	Check-out Cabling (DAQ)	3/18/2014 12:00	4/29/2014 12:00	\$9,328.00	\$0.00	\$0.00	\$9,328.00
1.5.4.7	DETECTOR CABLING	4/3/2013 8:00	4/29/2014 16:00	\$96,544.80	\$0.00	\$0.00	\$96,544.80
2547145	Cables - HV Label and Bundle Start Counter (40)	4/14/2014 8:00	4/29/2014 16:00	\$1,821.60	\$0.00	\$0.00	\$1,821.60
2547150	Cables - Signal Label and Bundle Start Counter (40)	4/14/2014 8:00	4/29/2014 16:00	\$1,821.60	\$0.00	\$0.00	\$1,821.60
2562455	Cables - Install on Trays Detector to Racks TOF	4/23/2014 8:00	4/29/2014 16:00	\$7,286.40	\$0.00	\$0.00	\$7,286.40
2553090	Proc Hardware for Active Collimator Control (Acce	4/1/2013 8:00	4/30/2014 16:00	\$0.00	\$18,800.00	\$0.00	\$18,800.00
2562181	Install Photon BL Colli. Cave (Installtn)	3/5/2014 8:00	4/30/2014 16:00	\$6,371.52	\$3,018.32	\$200.00	\$9,589.84
2553095	Design Install Feedback System for Active Collimat	4/1/2013 8:00	5/1/2014 16:00	\$42,251.40	\$0.00	\$0.00	\$42,251.40
2562170	Install Photon Beam Profiler (Installtn)	3/31/2014 8:00	5/1/2014 16:00	\$12,076.24	\$0.00	\$100.00	\$12,176.24
2531105	Install Trigger Electrnc's (DAQ)	9/3/2013 8:00	5/7/2014 16:00	\$48,448.80	\$0.00	\$0.00	\$48,448.80
2562885	Install flammable gas detection system	3/10/2014 8:00	5/9/2014 16:00	\$11,413.40	\$0.00	\$0.00	\$11,413.40
2552006	Install Gas Handling Sys (TARGET)	1/10/2014 8:00	5/12/2014 16:00	\$17,358.02	\$0.00	\$500.00	\$17,858.02
2562895	Preparing OSP ESAD documentation Rediness Revi	11/27/2013 12:00	5/13/2014 12:00	\$115,652.40	\$0.00	\$2,500.00	\$118,152.40
2562455a	Cables - Route and Connect on Detector TOF	5/7/2014 8:00	5/13/2014 16:00	\$7,286.40	\$0.00	\$0.00	\$7,286.40
282462035	System Check-out Install Hall FDC	2/20/2014 12:00	5/15/2014 12:00	\$19,666.80	\$0.00	\$0.00	\$19,666.80
2562095a	Cables - Route and Connect on Detector Tagger	5/2/2014 12:00	5/16/2014 12:00	\$3,643.20	\$0.00	\$0.00	\$3,643.20
2562482	Test and analyze FCAL detector	7/23/2013 8:00	5/19/2014 16:00	\$20,400.80	\$0.00	\$0.00	\$20,400.80
2562455b	Cables - Route on Racks TOF	5/14/2014 8:00	5/20/2014 16:00	\$3,643.20	\$0.00	\$0.00	\$3,643.20
282462050	System Check-out Install Hall FCAL	4/23/2014 8:00	5/20/2014 16:00	\$19,666.80	\$0.00	\$0.00	\$19,666.80
2553157	Install polarimeter	5/7/2014 8:00	5/21/2014 16:00	\$6,573.20	\$0.00	\$200.00	\$6,773.20
2562455c	Cables - Connect to Crate Electronics TOF	5/21/2014 8:00	5/22/2014 16:00	\$4,734.00	\$0.00	\$0.00	\$4,734.00
2562095b	Cables - Route on Racks Tagger	5/16/2014 12:00	5/23/2014 12:00	\$1,821.60	\$0.00	\$0.00	\$1,821.60
2552028a	Fabricate solid target (proc)	4/3/2014 8:00	5/27/2014 16:00	\$0.00	\$0.00	\$14,800.00	\$14,800.00
2552028b	Fabricate solid target (labor)	4/3/2014 8:00	5/27/2014 16:00	\$19,558.00	\$0.00	\$0.00	\$19,558.00
2562460	Test TOF Sys (Installtn)	4/30/2014 8:00	5/28/2014 16:00	\$20,397.60	\$0.00	\$0.00	\$20,397.60

2542080	Code Deployment and Full Readout Tests F1TDC	4/8/2014 8:00	6/2/2014 16:00	\$11,657.60	\$0.00	\$0.00	\$11,657.60
2542085	Rework of Production F1TDC modules	11/12/2013 8:00	6/2/2014 16:00	\$18,216.00	\$0.00	\$0.00	\$18,216.00
2532115	Archiving DAQ Configuration	11/27/2013 12:00	6/6/2014 12:00	\$11,657.60	\$0.00	\$0.00	\$11,657.60
2532245	DAQ monitoring Software	11/27/2013 12:00	6/6/2014 12:00	\$11,657.60	\$0.00	\$0.00	\$11,657.60
2553020	Write Control Software for Goniometer (BL Compr	11/27/2013 12:00	6/6/2014 12:00	\$29,144.00	\$0.00	\$0.00	\$29,144.00
2553027	Install Goniometer (BL Compnts)	4/9/2014 12:00	6/6/2014 12:00	\$46,267.20	\$0.00	\$0.00	\$46,267.20
282462040	System Check-out Install Hall BCAL	1/30/2014 12:00	6/6/2014 12:00	\$19,666.80	\$0.00	\$0.00	\$19,666.80
2562095c	Cables - Connect to Crate Electronics Tagger	5/23/2014 12:00	6/9/2014 12:00	\$4,734.00	\$0.00	\$0.00	\$4,734.00
2541015	Rework of Production FADC Modules (FE)	3/18/2013 8:00	6/9/2014 16:00	\$32,778.00	\$0.00	\$0.00	\$32,778.00
282462045	System Check-out Install Hall TOF	5/23/2014 8:00	6/20/2014 16:00	\$6,555.60	\$0.00	\$0.00	\$6,555.60
282462015	System Check-out Install Hall Tagger	6/9/2014 12:00	6/23/2014 12:00	\$6,555.60	\$0.00	\$0.00	\$6,555.60
2541155	FADC EE Hardware/software support in FY14 (Hall	11/27/2013 12:00	6/27/2014 12:00	\$81,547.20	\$0.00	\$0.00	\$81,547.20
2543155	Install Level-1 Monitor (Hall D grp)	2/10/2014 8:00	6/30/2014 16:00	\$14,572.00	\$0.00	\$0.00	\$14,572.00
2553205	Fabricate Total Absorption Counter Support	4/2/2014 8:00	7/1/2014 16:00	\$0.00	\$6,300.00	\$0.00	\$6,300.00
2562281	Analyze BCAL Performance inside solenoid	1/15/2014 8:00	7/1/2014 16:00	\$23,315.20	\$0.00	\$0.00	\$23,315.20
2543143	Trigger Algorithms Performance Testing in the Hal	1/9/2014 10:00	7/8/2014 10:00	\$29,144.00	\$0.00	\$0.00	\$29,144.00
282462000	Operational Checks CDC (Inside Solenoid) (Installtr	2/28/2014 8:00	7/11/2014 16:00	\$37,516.00	\$0.00	\$0.00	\$37,516.00
2553075	Test Active Collimator (BL Compnts)	6/6/2014 8:00	8/1/2014 16:00	\$6,437.60	\$0.00	\$0.00	\$6,437.60
282432005	Check-out Monitoring	3/5/2014 8:00	8/1/2014 16:00	\$7,424.80	\$0.00	\$0.00	\$7,424.80
282462025	System Check-out Install Hall Start Counter	7/24/2014 8:00	8/1/2014 16:00	\$6,555.60	\$0.00	\$0.00	\$6,555.60
2531125	Check-out Trigger Electrnc's (DAQ)	5/8/2014 8:00	8/6/2014 16:00	\$34,968.80	\$0.00	\$0.00	\$34,968.80
1.5.4.2	TDC	3/1/2013 8:00	8/8/2014 16:00	\$147,930.60	\$107,129.00	\$0.00	\$255,059.60
2542090	F1TDC EE Hardware/Software Support FY14	1/8/2014 8:00	8/8/2014 16:00	\$29,124.00	\$0.00	\$0.00	\$29,124.00
1.5.4.3	TRIGGER	3/1/2013 8:00	8/8/2014 16:00	\$243,299.40	\$235,095.00	\$3,150.00	\$481,544.40
2543160	Trigger Board Initialization (Hall D grp)	3/1/2013 8:00	8/8/2014 16:00	\$52,459.20	\$0.00	\$0.00	\$52,459.20
2553210	Install Total Absorption Counter	7/2/2014 8:00	8/11/2014 16:00	\$10,242.48	\$0.00	\$100.00	\$10,342.48
1.5.5.2	TARGET	3/1/2013 8:00	8/18/2014 16:00	\$164,343.75	\$126,960.00	\$67,166.00	\$358,469.75
2552040	Assemble Target (TARGET)	2/18/2014 8:00	8/18/2014 16:00	\$22,298.40	\$0.00	\$0.00	\$22,298.40
2562490	Cables - Install on Trays Detector to Racks Start Co	8/18/2014 8:00	8/19/2014 16:00	\$3,643.20	\$0.00	\$0.00	\$3,643.20
2553029	Survey Goniometer (BL Compnts)	6/6/2014 12:00	8/21/2014 12:00	\$44,410.40	\$0.00	\$0.00	\$44,410.40
2562490a	Cables - Route and Connect on Detector Start Coui	8/20/2014 8:00	8/21/2014 16:00	\$3,643.20	\$0.00	\$0.00	\$3,643.20
2532090	Event Display	11/27/2013 12:00	8/25/2014 12:00	\$5,828.80	\$0.00	\$0.00	\$5,828.80
2562490b	Cables - Route on Racks Start Counter	8/22/2014 8:00	8/25/2014 16:00	\$1,821.60	\$0.00	\$0.00	\$1,821.60
2562490c	Cables - Connect to Crate Electronics Start Counte	8/26/2014 8:00	8/27/2014 16:00	\$4,734.00	\$0.00	\$0.00	\$4,734.00
2562485	Install Start Counter Onto LH Target (Installtn)	8/19/2014 8:00	9/2/2014 16:00	\$17,295.36	\$0.00	\$0.00	\$17,295.36
2562495	Test Start Counter (Installtn)	8/20/2014 8:00	9/3/2014 16:00	\$9,690.48	\$0.00	\$0.00	\$9,690.48
2562510	Check-out Trigger Electrnc's (Installtn)	7/10/2014 8:00	9/3/2014 16:00	\$7,101.00	\$0.00	\$0.00	\$7,101.00
282432015	Check-out Archiving Sys	3/10/2014 8:00	9/8/2014 16:00	\$7,424.80	\$0.00	\$0.00	\$7,424.80
ER AND ELECTRONICS CHECKOUT		3/1/2013 8:00	9/10/2014 16:00	\$129,087.52	\$0.00	\$0.00	\$129,087.52
R BOARDS ACCEPTANCE TESTING		3/1/2013 8:00	9/10/2014 16:00	\$96,125.20	\$0.00	\$0.00	\$96,125.20
282443025a	Trigger Calibration (Hall D grp)	9/9/2013 8:00	9/10/2014 16:00	\$23,315.20	\$0.00	\$0.00	\$23,315.20
1.5.4.1	FADC	3/1/2013 8:00	9/15/2014 16:00	\$312,821.80	\$708,874.00	\$0.00	\$1,021,695.80
2541154	Code Deployment and Full Readout Tests FADC125	3/21/2014 8:00	9/15/2014 16:00	\$23,315.20	\$0.00	\$0.00	\$23,315.20
2562175	Install Hydrogen Target and Start Counter Inside D	9/2/2014 8:00	9/15/2014 16:00	\$27,283.68	\$0.00	\$6,000.00	\$33,283.68
282432010	Check-out Alarm Sys	3/17/2014 8:00	9/15/2014 16:00	\$4,510.40	\$0.00	\$0.00	\$4,510.40
2532045	Special Events (out of band) in data stream (includ	1/17/2014 8:00	9/16/2014 16:00	\$17,486.40	\$0.00	\$0.00	\$17,486.40
2532075	Farm Process Manager	11/15/2013 8:00	9/16/2014 16:00	\$20,400.80	\$0.00	\$0.00	\$20,400.80

	2532085	Archiving and Retrieval of Histogram Files	3/4/2014 8:00	9/16/2014 16:00	\$14,572.00	\$0.00	\$0.00	\$14,572.00
	2562900	Preparing OSP ESAD documentation Rediness Revi	5/6/2014 8:00	9/16/2014 16:00	\$103,862.40	\$0.00	\$2,500.00	\$106,362.40
	2562445	Engineering Support for Installation 2014 (Installtr	9/18/2013 8:00	9/18/2014 16:00	\$100,726.80	\$0.00	\$0.00	\$100,726.80
	2532220	Debug EPICS Controls Software	3/24/2014 8:00	9/19/2014 16:00	\$18,562.00	\$0.00	\$0.00	\$18,562.00
	1.5.2	DETECTORS	3/1/2013 8:00	9/22/2014 16:00	\$418,222.46	\$719,757.12	\$45,404.00	\$1,183,383.58
	1.5.2.1	TRACKING	3/1/2013 8:00	9/22/2014 16:00	\$231,675.72	\$49,717.00	\$21,376.00	\$302,768.72
	1.5.2.1.1	FORWARD CHAMBERS	3/1/2013 8:00	9/22/2014 16:00	\$174,818.40	\$21,284.00	\$16,276.00	\$212,378.40
	25211260	Develop algorithm for fADC125 readout	4/1/2013 8:00	9/22/2014 16:00	\$29,144.00	\$0.00	\$0.00	\$29,144.00
	2532195	Active collimator integration EPICS (Acceler grp)	1/17/2014 8:00	9/22/2014 16:00	\$29,792.40	\$0.00	\$0.00	\$29,792.40
	2553011	Diamond contractor and procurements support (B	7/10/2013 8:00	9/22/2014 16:00	\$11,637.60	\$0.00	\$0.00	\$11,637.60
	2532255	Coherent Peak Alignment Software with Goniomei	5/15/2013 8:00	9/23/2014 16:00	\$14,572.00	\$0.00	\$0.00	\$14,572.00
	2562006LOE	FY14 Work Cordinator (Installtn)	10/1/2013 8:00	9/26/2014 16:00	\$127,353.60	\$0.00	\$0.00	\$127,353.60
	2.4.3	HALL D ONLINE CHECKOUT	3/5/2014 8:00	9/26/2014 16:00	\$31,602.40	\$0.00	\$0.00	\$31,602.40
	2	HALL D SOFTWARE CHECKOUT	3/5/2014 8:00	9/26/2014 16:00	\$31,602.40	\$0.00	\$0.00	\$31,602.40
	282432025	Check-out Storage Mngmnt Software	7/8/2014 8:00	9/26/2014 16:00	\$12,242.40	\$0.00	\$0.00	\$12,242.40
	2531178	Software Licenses and Fees	10/1/2013 8:00	9/29/2014 16:00	\$0.00	\$1,800.00	\$0.00	\$1,800.00
	2532014E	FY14 Travel (ONLINE COMP)	10/1/2013 8:00	9/29/2014 16:00	\$0.00	\$0.00	\$1,597.23	\$1,597.23
	2531365	Sys Admin Support (DAQ)	1/6/2014 8:00	9/30/2014 16:00	\$18,656.00	\$0.00	\$0.00	\$18,656.00
	2531385	Check-out DAQ Hardware (DAQ)	4/25/2014 8:00	9/30/2014 16:00	\$8,743.20	\$0.00	\$0.00	\$8,743.20
	1.5.3.2	ONLINE COMPUTING	3/1/2013 8:00	9/30/2014 16:00	\$717,113.60	\$0.00	\$2,560.75	\$719,674.35
	2532060	Debug DAQ software	4/2/2014 8:00	9/30/2014 16:00	\$23,315.20	\$0.00	\$0.00	\$23,315.20
	2532110	Archiving Run Conditions	11/1/2013 8:00	9/30/2014 16:00	\$23,627.60	\$0.00	\$0.00	\$23,627.60
	2532170a	HV Controls (FDC; CDC; TOF; FCAL; HODO) Phase 2	4/2/2014 8:00	9/30/2014 16:00	\$18,995.20	\$0.00	\$0.00	\$18,995.20
	2532175a	LV Controls (BCAL; ST; FDC) Phase 2	4/2/2014 8:00	9/30/2014 16:00	\$20,829.60	\$0.00	\$0.00	\$20,829.60
	2532225	Debug PLC Controls Software	4/2/2014 8:00	9/30/2014 16:00	\$17,386.40	\$0.00	\$0.00	\$17,386.40
	2532235	Scaler Monitoring in EPICS	1/17/2014 8:00	9/30/2014 16:00	\$23,315.20	\$0.00	\$0.00	\$23,315.20
	2532240	Trigger Monitoring in EPICS	1/17/2014 8:00	9/30/2014 16:00	\$11,657.60	\$0.00	\$0.00	\$11,657.60
	1.5.4	ELECTRONICS	3/1/2013 8:00	9/30/2014 16:00	\$974,533.53	\$1,358,204.80	\$13,150.00	\$2,345,888.33
	1.5.4.6	DETECTOR ELECTRONICS	3/1/2013 8:00	9/30/2014 16:00	\$144,802.12	\$307,106.80	\$10,000.00	\$461,908.92
	2546650	Install Hardware, Labels and Tie Wraps	3/1/2013 8:00	9/30/2014 16:00	\$0.00	\$0.00	\$10,000.00	\$10,000.00
	2553010	Thinning-Characterization-Mounting of Radiator D	12/5/2013 8:00	9/30/2014 16:00	\$0.00	\$53,500.00	\$0.00	\$53,500.00
	2562014E	FY14 Travel (Installtn)	10/1/2013 8:00	9/30/2014 16:00	\$0.00	\$0.00	\$1,000.00	\$1,000.00
	2562595a	Installation work space infrastructure (TW's Doubl	3/1/2013 8:00	9/30/2014 16:00	\$0.00	\$22,000.00	\$0.00	\$22,000.00
	2562615LOE	Electrical power engineer support 2014	10/1/2013 8:00	9/30/2014 16:00	\$64,072.80	\$0.00	\$0.00	\$64,072.80
	1.8.2.4.6	HALL D INFRASTRUCTURE	11/25/2013 8:00	9/30/2014 16:00	\$244,515.36	\$0.00	\$0.00	\$244,515.36
	2	HALL D INSTALLATION TESTING	11/25/2013 8:00	9/30/2014 16:00	\$244,515.36	\$0.00	\$0.00	\$244,515.36
	282462010	Operation Checks FDC (Inside Solenoid) (Installtn)	1/30/2014 8:00	9/30/2014 16:00	\$76,153.60	\$0.00	\$0.00	\$76,153.60
	1.5.6	INFRASTRUCTURE	3/1/2013 8:00	10/1/2014 16:00	\$2,526,990.07	\$444,593.27	\$156,927.12	\$3,128,510.46
	1.5.6.2	INSTALLATION	3/1/2013 8:00	10/1/2014 16:00	\$2,364,868.90	\$428,771.19	\$156,327.12	\$2,949,967.21
	2562890	Detector Readout Electronics Support Documenta	10/1/2013 8:00	10/1/2014 16:00	\$136,376.00	\$0.00	\$0.00	\$136,376.00
	1.5.1	SOLENOID	3/6/2013 8:00	10/6/2014 16:00	\$90,060.46	\$0.00	\$28,200.00	\$118,260.46
	251220	Maintanence Support Solenoid	5/29/2013 8:00	10/6/2014 16:00	\$31,756.00	\$0.00	\$16,200.00	\$47,956.00
	1.8	CONSTRUCTION PRE-OPS	3/1/2013 8:00	11/18/2014 16:00	\$800,648.40	\$3,621.99	\$0.00	\$804,270.39
	1.8.2	HALLS PRE-OPS	3/1/2013 8:00	11/18/2014 16:00	\$800,648.40	\$3,621.99	\$0.00	\$804,270.39
	HUT AND BEAM COMMISSIONING		3/1/2013 8:00	11/18/2014 16:00	\$800,648.40	\$3,621.99	\$0.00	\$804,270.39
	LL D COMMISSIONG WITH BEAM		10/29/2014 8:00	11/18/2014 16:00	\$150,945.20	\$0.00	\$0.00	\$150,945.20
	2824X000	H-D PRE-OPS Cmmsn with Beam	10/29/2014 8:00	11/18/2014 16:00	\$150,945.20	\$0.00	\$0.00	\$150,945.20

1.5.3 COMPUTING	3/1/2013 8:00	12/11/2014 16:00	\$1,000,889.20	\$678,226.09	\$2,560.75	\$1,681,676.04
1.5.3.1 DAQ	3/1/2013 8:00	12/11/2014 16:00	\$283,775.60	\$678,226.09	\$0.00	\$962,001.69
2531033 Proc Servers for EPICS Archiving (DAQ)	10/1/2014 8:00	12/11/2014 16:00	\$0.00	\$21,000.00	\$0.00	\$21,000.00
1.5 CONSTRUCTION HALL D	3/1/2013 8:00	4/1/2015 16:00	\$5,749,007.33	\$4,412,067.83	\$337,416.16	\$10,498,491.32
1.5.5 BEAMLINE	3/1/2013 8:00	4/1/2015 16:00	\$738,311.61	\$1,211,286.55	\$91,174.29	\$2,040,772.45
1.5.5.3 BEAMLINE COMPONENTS	3/1/2013 8:00	4/1/2015 16:00	\$502,791.74	\$509,219.33	\$1,080.29	\$1,013,091.36
2553010a Thinning-Characterization-Mounting of Radiator D	10/1/2014 8:00	4/1/2015 16:00	\$0.00	\$53,500.00	\$0.00	\$53,500.00
2561040M Delivery Complete for CDC (Assy)	9/23/2013 8:00		\$0.00	\$0.00	\$0.00	\$0.00
2561050M Complete FDC (Assy)	9/12/2013 8:00		\$0.00	\$0.00	\$0.00	\$0.00
2561060M Delivery Complete for TOF (Assy)	12/2/2013 8:00		\$0.00	\$0.00	\$0.00	\$0.00
2562010M Tagger Magnets Fabbed (Installtn)	3/1/2013 8:00		\$0.00	\$0.00	\$0.00	\$0.00
2562025M Assy of Fcal (Installtn)	5/28/2013 8:00		\$0.00	\$0.00	\$0.00	\$0.00
2562035M Assy of TOF (Installtn)	12/2/2013 8:00		\$0.00	\$0.00	\$0.00	\$0.00