

U.S. CMS Detector Operations Change Control Activity						
		Change Request				
WBS	Subsystem	Number	Description of Change	CY16Q4 Plan	Change \$	CY16Q4 End
11	Endcap Muon	CR-028	Northeastern travel funds for postdoc for CSC electronics work during technical stop	\$1,973,709	\$5,700	\$1,979,409
12	Hardon Calorimeter			\$1,891,408	\$0	\$1,891,408
13	Trigger			\$826,216	\$0	\$826,216
14	Data Acquisition			\$985,340	\$0	\$985,340
15	Electromagnetic Calorimeter			\$882,913	\$0	\$882,913
16/17	Tracker (Fpix & SiTrk)		Adjustment	\$854,097	(\$225)	\$853,872
18	Detector Support			\$119,165	\$0	\$119,165
19	BRIL			\$343,754	\$0	\$343,754
30	Phase 2 Upgrade R&D	CR-048	UCSB M&S going toward wire bonder for developing practices and procedures for silicon module assembly	\$4,665,796	\$101,300	\$4,767,096
11-19,30 Detector Operations				\$12,542,400	\$106,775	\$12,649,175
U.S. CMS Common Operations Change Control Activity						
		Change Request				
WBS	Subsystem	Number	Description of Change	CY16Q4 Plan	Change \$	CY16Q4 End
21.2	Common Costs (M&OA)			\$4,025,837	\$0	\$4,025,837
21.3	RCMS			\$543,397	\$0	\$543,397
21.4	LHC Physics Center			\$1,072,937	\$0	\$1,072,937
21.5	Operations Support	SOW	M&S for prototype amplifier ASICs to study photodiodes for precision timing	\$2,084,311	\$20,868	\$2,105,179
21.6	Program Office			\$1,205,115	\$0	\$1,205,115
21.7	E&O			\$283,809	\$0	\$283,809
21	Common Operations			\$9,215,407	\$20,868	\$9,236,275
U.S. CMS Software and Computing Change Control Activity						
		Change Request				
WBS	Subsystem	Number	Description of Change	CY16Q4 Plan	Change \$	CY16Q4 End
22.1	Fermilab Facilities			\$5,933,423	\$0	\$5,933,423
22.2	University Facilities			\$3,952,858	\$0	\$3,952,858
22.3	Computing Operations			\$865,105	\$0	\$865,105
22.4	Computing Infra and Services			\$2,439,484	\$0	\$2,439,484
22.5	Software and Support			\$1,548,158	\$0	\$1,548,158
22.6	Technologies & Upgrade R&D			\$855,475	\$0	\$855,475
22.7	S&C Program Management & CMS Coordination			\$615,406	\$0	\$615,406
22	Software and Computing			\$16,209,910	\$0	\$16,209,910
U.S. CMS Operations Program Total				\$37,967,717	\$127,643	\$38,095,360