

U.S. CMS Detector Operations Change Control Activity						
		Change Request				
WBS	Subsystem	Number	Description of Change	CY17Q1 Plan	Change \$	CY17Q2 Plan
11	Endcap Muon	Adjust & CR-029	Adjustments prior to SOW, and CERN TA labor support for alt. gas mixture chamber construction	\$2,078,111	\$51,280	\$2,129,391
12	Hardon Calorimeter	Adjust & CR-039	Reductions prior to SOW, and added CERN TA COLA for firmware engineer for front-end FPGAs	\$1,997,561	(\$16,861)	\$1,980,700
13	Trigger	CR-017, 018, 019	Adjusts prior to SOW, and reduce Rice engineering labor, add CERN TA COLA, and add RICE travel	\$900,230	\$12,308	\$912,537
14	Data Acquisition	CR-007	Labor support for MIT computing professional	\$808,762	\$62,389	\$871,151
15	Electromagnetic Calorimeter			\$831,737	\$0	\$831,737
16/17	Tracker (Fpix & SiTrk)	Adjust	Adjustments prior to SOW	\$889,370	(\$3,008)	\$886,362
18	Detector Support			\$92,119	\$0	\$92,119
19	BRIL			\$265,930	\$0	\$265,930
11-19 Detector Operations				\$7,863,820	\$106,108	\$7,969,928
U.S. CMS Common Operations Change Control Activity						
		Change Request				
WBS	Subsystem	Number	Description of Change	CY17Q1 Plan	Change \$	CY17Q2 Plan
21.2	Common Costs (M&OA)	Adjust	Adjustments prior to SOW	\$4,281,938	\$33,245	\$4,315,183
21.3	Run Coord. and Monitoring			\$439,714	\$359	\$440,073
21.4	LHC Physics Center	Adjust	Adjustments prior to SOW	\$816,013	\$3,713	\$819,726
21.5	Operations Support	Adjust & CR-099	Adjustments prior to SOW, and CERN TA labor support for Phasel Fpix installation and commissioning	\$1,938,444	\$114,752	\$2,053,196
21.6	Program Office	Adjust	Adjusts prior to SOW (primarily for new sub-awards)	\$1,212,324	\$111,072	\$1,323,397
21.7	Education and Outreach			\$110,585	\$0	\$110,585
21	Common Operations			\$8,799,018	\$263,141	\$9,062,159
U.S. CMS Software and Computing Change Control Activity						
		Change Request				
WBS	Subsystem	Number	Description of Change	CY17Q1 Plan	Change \$	CY17Q2 Plan
22.1	Fermilab Facilities	CR-015, CR-016	Adjustments; Reduce FNAL M&S for alt arch cluster; Delay FNAL labor for LPC support and disk storage	\$6,373,477	(\$324,708)	\$6,048,769
22.2	University Facilities	Adjust	Adjustments prior to SOW	\$3,478,053	\$2,200	\$3,480,253
22.3	Computing Operations			\$929,522	\$0	\$929,522
22.4	Computing Infra. and Services	Adjust	Adjustments prior to SOW	\$2,467,188	\$4,252	\$2,471,440
22.5	Software and Support	CR-015, CR-016	Adjustments; Delay FNAL contractor labor for machine learning; Delay FNAL labor for framework devel.	\$2,713,691	(\$305,120)	\$2,408,571
22.6	S&C Program Management & CMS Coordination			\$205,081	\$0	\$205,081
22	Software and Computing			\$16,167,012	(\$623,376)	\$15,543,636
U.S. CMS Operations Program Total				\$32,829,851	(\$254,127)	\$32,575,724