		U.S.	CMS Detector Operations Change Control Activity			
		Change Request				CY17Q4
WBS	Subsystem	Number	Description of Change	CY17Q3 Plan	Change \$	Plan
11	Endcap Muon			\$2,188,153	\$0	\$2,188,153
12	Hardon Calorimeter	CR-041	CERN TA COLA adjusted for UC Riverside, UC Santa Barbara, Maryland, Brown, and Florida State to account for current needs in operations and availabilities	\$1,973,953	(\$7,871)	\$1,966,082
13	Trigger	CR-020	Engineering & technician labor support at Wisconsin for Calorimeter Trigger Layer-1 operations	\$912,537	\$117,860	\$1,030,397
14	Data Acquisition			\$886,300	\$0	\$886,300
15	Electromagnetic Calorimeter			\$859,286	\$0	\$859,286
16/17	Tracker (Fpix & SiTrk)	CR-007, 008	Add CERN TA travel funds for Purdue Calumet; Add CERN TA travel funds for Nebraska, reduce CERN TA travel funds for UC Davis	\$861,035	\$6,747	\$867,781
18	Detector Support			\$92,119	\$0	\$92,119
19	BRIL			\$265,930	\$0	\$265,930
11-19	Detector Operations			\$8,039,313	\$116,736	\$8,156,049
U.S. CMS Common Operations Change Control Activity Change						
WRS	Subsystem	Request Number	Description of Change	CY17Q3 Plan	Change \$	CY17Q4 Plan
21.2	•	CR-105,	M&O-A adjustments for additional author and actual		0	
21.2	Common Costs (M&OA)	106	exchange rate applied to software developer credit	\$4,005,636	(\$1,713)	\$4,003,924
21.3	Run Coord. and Monitoring			\$440,073	\$0	\$440,073
21.4	LHC Physics Center			\$819,727	\$0	\$819,727
21.5	Operations Support	CR-104, 107	CERN TA support for HCAL Project Manager; engineering and technician labor support at Fermilab for Timing Detector design and prototyping	\$2,169,262	\$119,663	\$2,288,925
21.6	Program Office			\$1,323,397	\$0	\$1,323,397
21.7	Education and Outreach			\$110,585	\$0	\$110,585
21	Common Operations			\$8,868,679	\$117,950	\$8,986,630
U.S. CMS Software and Computing Change Control Activity						
		Change Request				CY17Q4
WBS	Subsystem	Number	Description of Change	CY17Q3 Plan	Change \$	Plan
22.1	Fermilab Facilities	CR-018, 019	Reduce CERN TA labor support for High Throughput Computing; Add support for this person at Fermilab	\$6,048,769	\$31,058	\$6,079,827
22.2	University Facilities			\$3,480,253	\$0	\$3,480,253
22.3	Computing Operations			\$929,522	\$0	\$929,522
22.4	Computing Infra. and Services			\$2,471,440	\$0	\$2,471,440
	Software and Support	CR-020, 021	Add CERN TA labor support for optimizing CMSSW code; Reduce support at Fermilab due to delayed hire	\$2,384,513	(\$19,329)	\$2,365,184
22.6	S&C Program Management & CMS Coordination			\$205,081	\$0	\$205,081
22	Software and Computing			\$15,519,578	\$11,729	\$15,531,307
U.S. CMS Operations Program Total				\$32,427,571	\$246,415	\$32,673,986