

U.S. CMS Detector Operations Change Control Activity						
WBS	Subsystem	Change Request	Description of Change	CY18 Q4	Change \$	CY18 Q4
		Number		Plan		End
11	Endcap Muon	CR-042	Reduce CERN TA M&S for supplies/consumables	\$1,858,931	(\$7,112)	\$1,851,819
	Endcap Muon MEX/I	CR-041	Increase M&S Ohio State for DCFEB ADCs lead time, reduce CERN TA M&S for optical fibers	\$2,505,919	\$7,112	\$2,513,031
12	Hardon Calorimeter	SOW, CR-056, 057, 058	Alabama Labor support; CERN TA COLA for Alabama, CERN TA COLA for burn in work, FSU M&S for HB laser	\$2,198,572	\$115,802	\$2,314,374
13	Trigger			\$904,392	\$0	\$904,392
14	Data Acquisition	CR-012	Reduce CERN TA COLA for Rice	\$1,145,358	(\$39,421)	\$1,105,937
15	Electromagnetic Calorimeter	CR-025	Increase CERN TA COLA for FSU	\$755,405	\$3,387	\$758,791
16/17	Tracker (Fpix & SiTrk)	CR-019	Move funds from labor and travel to M&S, incurring different overhead	\$1,007,790	\$3,480	\$1,011,270
18	Detector Support			\$121,476	\$0	\$121,476
19	BRIL			\$358,861	\$0	\$358,861
11-19	Detector Operations			\$10,856,704	\$83,247	\$10,939,952
U.S. CMS Common Operations Change Control Activity						
WBS	Subsystem	Change Request	Description of Change	CY18 Q4	Change \$	CY18 Q4
		Number		Plan		End
21.2	Common Costs (M&OA)			\$4,092,087	\$0	\$4,092,087
21.3	Run Coord. and Monitoring			\$163,076	\$0	\$163,076
21.4	LHC Physics Center			\$883,374	\$0	\$883,374
21.5	Operations Support	Adjust	University of Kansas travel for Fast Timing test beam	\$2,051,269	\$733	\$2,052,002
21.6	Program Office			\$1,063,408	\$0	\$1,063,408
21.7	Education and Outreach			\$110,585	\$0	\$110,585
21	Common Operations			\$8,363,799	\$733	\$8,364,532
U.S. CMS Software and Computing Change Control Activity						
WBS	Subsystem	Change Request	Description of Change	CY18 Q4	Change \$	CY18 Q4
		Number		Plan		End
22.1	Fermilab Facilities			\$6,191,877	\$0	\$6,191,877
22.2	University Facilities			\$3,029,327	\$0	\$3,029,327
22.3	Computing Operations			\$892,728	\$0	\$892,728
22.4	Computing Infra. and Services			\$2,764,564	\$0	\$2,764,564
22.5	Software and Support			\$2,493,900	\$0	\$2,493,900
22.6	S&C Program Management & CMS Coordination			\$420,980	\$0	\$420,980
22	Software and Computing			\$15,793,375	\$0	\$15,793,375
U.S. CMS Operations Program Total				\$35,013,878	\$83,981	\$35,097,859