

U.S. CMS Detector Operations Change Control Activity						
WBS	Subsystem	Change Request Number	Description of Change	CY18 Q1 Plan	Change \$	CY18 Q2 Plan
11	Endcap Muon	CR-031, 032, 033	Increase UC Riverside COLA and UC Davis Labor, decrease Rice labor	\$1,793,564	\$8,618	\$1,802,183
	Endcap Muon MEX/1	Adjust	Additions prior to SOWs	\$2,000,000	\$106,618	\$2,106,618
12	Hardon Calorimeter	CR-044, 045, 046, 047, 048	Iowa engineering labor, CERN TA COLA and travel, Florida State M&S for nitrogen laser, Maryland engineering labor	\$1,963,686	\$141,434	\$2,105,120
13	Trigger	CR-021, 022, 023	NEU undergrad travel, Notre Dame CERN TA COLA for rate monitoring, decrease Rice engineering labor	\$847,319	(\$4,000)	\$843,318
14	Data Acquisition	CR-009	Adjustments and UCSD CERN TA COLA	\$1,105,839	\$19,521	\$1,125,360
15	Electromagnetic Calorimeter	CR-019, 020	Move Caltech travel to CERN TA, add Minnesota CERN TA COLA, reduce CERN TA engineer support	\$768,034	(\$12,419)	\$755,615
16/17	Tracker (Fpix & SiTrk)	CR-011, 012	Adjustments and Catholic University CERN TA travel and COLA, Fermilab travel for DCDC replacement	\$916,196	\$60,766	\$976,961
18	Detector Support			\$121,058	\$0	\$121,058
19	BRIL	CR-004	Adjustments, Princeton M&S, Rutgers labor & M&S	\$264,231	\$35,108	\$299,339
11-19 Detector Operations				\$9,779,926	\$355,646	\$10,135,572
U.S. CMS Common Operations Change Control Activity						
WBS	Subsystem	Change Request Number	Description of Change	CY18 Q1 Plan	Change \$	CY18 Q2 Plan
21.2	Common Costs (M&OA)			\$4,373,615	\$0	\$4,373,615
21.3	Run Coord. and Monitoring			\$162,881	\$0	\$162,881
21.4	LHC Physics Center			\$772,936	\$0	\$772,936
21.5	Operations Support	CR-112	CERN TA M&S for large-area SiPMs for barrel timing	\$975,750	\$47,250	\$1,023,000
21.6	Program Office	Adjust	FNAL finance person moves to PhaseI and HL-LHC	\$1,153,222	(\$95,775)	\$1,057,448
21.7	Education and Outreach			\$110,585	\$0	\$110,585
21	Common Operations			\$7,548,990	(\$48,525)	\$7,500,465
U.S. CMS Software and Computing Change Control Activity						
WBS	Subsystem	Change Request Number	Description of Change	CY18 Q1 Plan	Change \$	CY18 Q2 Plan
22.1	Fermilab Facilities			\$6,141,149	\$0	\$6,141,149
22.2	University Facilities	Adjust	Caltech labor changes	\$3,738,734	(\$31,574)	\$3,707,159
22.3	Computing Operations			\$877,578	\$0	\$877,578
22.4	Computing Infra. and Services	Adjust	Caltech labor changes, Fermilab HEPCloud support	\$2,825,390	(\$94,859)	\$2,730,531
22.5	Software and Support			\$2,488,770	\$0	\$2,488,770
22.6	S&C Program Management & CMS Coordination	CR-022, Adjust	UCSD labor for blueprint effort; adjust for FNAL security	\$298,407	\$117,135	\$415,542
22	Software and Computing			\$16,370,027	(\$9,299)	\$16,360,728
U.S. CMS Operations Program Total				\$33,698,943	\$297,822	\$33,996,766