

U.S. CMS Detector Operations Change Control Activity						
WBS	Subsystem	Change Request Number	Description of Change	CY18 Q3 Plan	Change \$	CY18 Q4 Plan
11	Endcap Muon	CR-036, 037, 038	Wisconsin grad student COLA, TAMU student travel for slice tests, M&S Northeastern for timing crystals	\$1,830,611	\$28,320	\$1,858,931
	Endcap Muon MEX/1	CR-038, 039	M&S UCLA for ALCT mezzanines moved earlier, M&S Ohio State for xDCFEb production bid	\$2,109,887	\$396,032	\$2,505,919
12	Hardon Calorimeter	SOW, CR-053, 054, 055	Labor and travel for Virginia engineer, COLA for Virginia grad student, Virginia engineer for work on voltage spikes, increased Virginia overheads	\$2,145,309	\$53,263	\$2,198,572
13	Trigger	Adjust	Fermilab overhead adjustment	\$902,069	\$2,322	\$904,392
14	Data Acquisition	CR-011	CERN TA support for computing professioal	\$1,136,920	\$8,438	\$1,145,358
15	Electromagnetic Calorimeter	CR-023, 024	Reductions in CERN TA COLA	\$769,677	(\$14,273)	\$755,405
16/17	Tracker (Fpix & SiTrk)	CR-016; SOW	Labor and travel support for KSU TBM testing; M&S to Vanderbilt for TBM radiation campaign	\$985,550	\$22,240	\$1,007,790
18	Detector Support	Adjust	Fermilab overhead adjustment	\$121,058	\$418	\$121,476
19	BRIL	Adjust	Fermilab overhead adjustment	\$358,254	\$607	\$358,861
11-19 Detector Operations				\$10,359,337	\$497,367	\$10,856,704
U.S. CMS Common Operations Change Control Activity						
WBS	Subsystem	Change Request Number	Description of Change	CY18 Q3 Plan	Change \$	CY18 Q4 Plan
21.2	Common Costs (M&OA)	Adjust	Fermilab overhead adjustment	\$4,081,142	\$10,945	\$4,092,087
21.3	Run Coord. and Monitoring	Adjust	Fermilab overhead adjustment	\$162,881	\$195	\$163,076
21.4	LHC Physics Center	Adjust, CR-121	Adjust LPC labor support to UIC; Graduate Scholars	\$772,936	\$110,438	\$883,374
21.5	Operations Support	SOWs, CR 119, 120, 122	SMU timing engineering, Purdue Tracking Co-coord. travel, U of Kansas timing probe station M&S; Reduce COLA and M&S, Purdue engineering student timing layer clock, labor for HCAL and software	\$1,844,548	\$206,721	\$2,051,269
21.6	Program Office	Adjust	Fermilab overhead adjustment	\$1,057,448	\$5,960	\$1,063,408
21.7	Education and Outreach	Adjust	Fermilab overhead adjustment	\$110,585	\$0	\$110,585
21	Common Operations			\$8,029,539	\$334,259	\$8,363,799
U.S. CMS Software and Computing Change Control Activity						
WBS	Subsystem	Change Request Number	Description of Change	CY18 Q3 Plan	Change \$	CY18 Q4 Plan
22.1	Fermilab Facilities	Adjust	Fermilab overhead adjustment	\$6,141,149	\$50,728	\$6,191,877
22.2	University Facilities	Adjust	Fermilab overhead adjustment	\$3,028,909	\$418	\$3,029,327
22.3	Computing Operations	Adjust	Fermilab overhead adjustment	\$888,587	\$4,141	\$892,728
22.4	Computing Infra. and Services	Adjust	Fermilab overhead adjustment	\$2,758,090	\$6,474	\$2,764,564
22.5	Software and Support	Adjust	Fermilab overhead adjustment	\$2,488,770	\$5,131	\$2,493,900
22.6	S&C Program Management & CMS Coordination	Adjust	Fermilab overhead adjustment	\$420,423	\$557	\$420,980
22	Software and Computing			\$15,725,928	\$67,448	\$15,793,375
U.S. CMS Operations Program Total						
				\$34,114,804	\$899,075	\$35,013,878