

### U.S. CMS Detector Operations Change Control Activity

		Change Request				
WBS	Subsystem	Number	Description of Change	CY15Q2 Plan	Change \$	CY15Q3 Plan
11	Endcap Muon	CR-022 & CR-023	UCSB CR-022: ME11 Electronics Labor correction, Team Account CR-023: Software/DAQ personnel	\$1,820,239	\$15,801	\$1,836,040
12	Hardon Calorimeter	CR-027 & CR-028	Pre-sow adjust of software personnel, new UMinn SOW for electronics personnel, Iowa CR-027: HF improvements & HCAL sourcing, Brown & KSU CR-028: COLA and Travel	\$1,589,517	\$8,646	\$1,598,163
13	Trigger			\$919,475	\$0	\$919,475
14	Data Acquisition			\$780,208	\$0	\$780,208
15	Electromagnetic Calorimeter		Adjustments	\$844,815	(\$3,000)	\$841,815
16/17	Tracker (Fpix&SiTrk)		Pre-sow adjustments	\$775,461	(\$42,663)	\$732,798
18	Detector Support	CR-016 & CR-017	Fermilab CR-016: CTPPS front-end board design labor, Fermilab CR-017: 2nd CTPPS module labor and M&S, CERN team account SOW adjustment	\$209,473	\$48,789	\$258,262
19	BRIL			\$388,180	\$0	\$388,180
30	Phase 2 Upgrade R&D	CR-030 & CR-017		\$3,249,847	\$107,409	\$3,357,256
11-18,30 Detector Operations				\$10,577,215	\$134,982	\$10,712,197

### U.S. CMS Common Operations Change Control Activity

		Change Request				
WBS	Subsystem	Number	Description of Change	CY15Q2 Plan	Change \$	CY15Q3 Plan
21.2	Common Costs (M&OA, LS1, Loan)		LS1 Common Fund overhead reduction	\$5,430,822	(\$15,000)	\$5,415,822
21.3	RCMS		Developer contract	\$518,857	\$35,556	\$554,413
21.4	LHC Physics Center			\$633,829	\$1,808	\$635,637
21.5	Operations Support		BU CR-077: Trigger coordinator and convener support	\$1,357,534	\$98,057	\$1,455,591
21.6	Program Office		Travel for Upgrade Planning and other M&S adjust	\$980,594	\$48,800	\$1,029,394
21.7	E&O			\$286,480	\$0	\$286,480
21.8	Collaboration Support			\$10,000	\$0	\$10,000
21	Common Operations			\$9,218,117	\$169,220	\$9,387,337

### U.S. CMS Software and Computing Change Control Activity

		Change Request				
WBS	Subsystem	Number	Description of Change	CY15Q2 Plan	Change \$	CY15Q3 Plan
22.1	Fermilab Facilities		Changes are a combination of pre-sow adjustments (\$41K personnel increase, \$8K travel increase), change request CR-008 of \$35K for Amazon Cloud Pilot, and reduction of \$211K due to a favorable price on LPC Computing Analysis Facility disk purchahse	\$6,738,279	(\$182,010)	\$6,556,269
22.2	University Facilities			\$4,117,582	\$24,926	\$4,142,508
22.3	Computing Operations			\$1,123,082	\$5,949	\$1,129,031
22.4	Computing Infrastructure and Services			\$2,095,189	\$11,742	\$2,106,931
22.5	Software and Support			\$1,938,046	\$13,040	\$1,951,086
22.6	Technologies & Upgrade R&D			\$902,380	(\$3,050)	\$899,330
22.7	S&C Program Management & CMS Coordination			\$691,772	\$2,504	\$694,276
22	Software and Computing			\$17,606,331	(\$126,900)	\$17,479,431

U.S. CMS Operations Program Total \$37,401,663 \$177,302 \$37,578,965