U.S. CMS Detector Operations Change Control Activity

WBS	Subsystem	Change Request Number	Description of Change	CY17Q2 Plan	Change $	CY17Q3 Plan
11	Endcap Muon	CR-030	Additional UC Davis labor support for Deputy Project Manager for CSC	$2,129,391	$58,762	$2,188,153
12	Hardon Calorimeter	CR-040	CERN TA COLA reduced for Princeton and added for Maryland for Prompt Feedback Group	$1,980,700	($6,747)	$1,973,953
13	Trigger			$912,537	$0	$912,537
14	Data Acquisition	CR-008	CERN TA support for Rice computing professional	$871,151	$15,149	$886,300
15	Electromagnetic Calorimeter	CR-016, 017, 018	Add CERN TA COLA for U. of Minnesota, U. of Virginia and Notre Dame, and Florida State	$831,737	$27,549	$859,286
16/17	Tracker (Fpix & SiTrk)	CR-004, 005, 006	FNAL M&S to travel; M&O-B adjustment for actual exchange rate; CERN TA COLA to travel	$886,362	($25,328)	$861,035
18	Detector Support			$92,119	$0	$92,119
19	BRIL			$265,930	$0	$265,930
11-19	**Detector Operations**			**$7,969,928**	**$69,385**	**$8,039,313**

U.S. CMS Common Operations Change Control Activity

WBS	Subsystem	Change Request Number	Description of Change	CY17Q2 Plan	Change $	CY17Q3 Plan
21.2	Common Costs (M&OA)	CR-102	M&O-A and CT-PPT M&O-B adjustments for actual exchange rate	$4,315,183	($309,547)	$4,005,636
21.3	Run Coord. and Monitoring			$440,073	$0	$440,073
21.4	LHC Physics Center			$819,726	$1	$819,727
21.5	Operations Support	CR-100, 103	CERN TA travel support for Physics Performance and Dataset coordinator; CERN TA support for fast timing sensor technology	$2,053,196	$116,066	$2,169,262
21.6	Program Office			$1,323,397	$0	$1,323,397
21.7	Education and Outreach			$110,585	$0	$110,585
21	**Common Operations**			**$9,062,159**	**($193,480)**	**$8,868,679**

U.S. CMS Software and Computing Change Control Activity

WBS	Subsystem	Change Request Number	Description of Change	CY17Q2 Plan	Change $	CY17Q3 Plan
22.1	Fermilab Facilities			$6,048,769	$0	$6,048,769
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
22.5	Software and Support	CR-017	Reduce labor support for U. of Nebraska computing professional	$2,408,571	($24,059)	$2,384,513
22.6	S&C Program Management & CMS Coordination			$205,081	$0	$205,081
22	**Software and Computing**			**$15,543,636**	**($24,059)**	**$15,519,578**

U.S. CMS Operations Program Total				**$32,575,724**	**($148,153)**	**$32,427,571**