

| WBS | Subsystem | DOE Funds | NSF Funds | Total |
|-----------------------------------|---------------------------------------------|--------------|--------------|--------------|
| 11 | Endcap Muon | \$1,439,439 | \$539,970 | \$1,979,409 |
| 12 | Hadron Calorimeter | \$1,762,981 | \$128,427 | \$1,891,408 |
| 13 | Trigger | \$685,137 | \$141,080 | \$826,216 |
| 14 | Data Acquisition | \$985,340 | \$0 | \$985,340 |
| 15 | Electromagnetic Calorimeter | \$882,913 | \$0 | \$882,913 |
| 16/17 | Tracker (Fpix & SiTrk) | \$713,881 | \$139,991 | \$853,872 |
| 18 | Detector Support | \$119,165 | \$0 | \$119,165 |
| 19 | BRIL | \$172,321 | \$171,433 | \$343,754 |
| 30 | Phase 2 Upgrade R&D | \$2,898,733 | \$1,868,363 | \$4,767,096 |
| 11-19,30 | Detector Operations | \$9,659,911 | \$2,989,264 | \$12,649,175 |
| 21.2 | Common Costs (M&OA) | \$3,237,813 | \$788,024 | \$4,025,837 |
| 21.3 | Run Coordination and Monitoring | \$436,697 | \$106,700 | \$543,397 |
| 21.4 | LHC Physics Center | \$1,072,937 | \$0 | \$1,072,937 |
| 21.5 | Operations Support | \$1,787,336 | \$317,843 | \$2,105,179 |
| 21.6 | Program Office | \$1,087,565 | \$117,550 | \$1,205,115 |
| 21.7 | Education and Outreach | \$173,224 | \$110,585 | \$283,809 |
| 21 | Common Operations | \$7,795,573 | \$1,440,702 | \$9,236,275 |
| 22.1 | Fermilab Facilities | \$5,933,423 | \$0 | \$5,933,423 |
| 22.2 | University Facilities | \$114,524 | \$3,838,334 | \$3,952,858 |
| 22.3 | Computing Operations | \$397,140 | \$467,965 | \$865,105 |
| 22.4 | Computing Infrastructure and Services | \$1,981,797 | \$457,687 | \$2,439,484 |
| 22.5 | Software and Support | \$1,286,983 | \$261,175 | \$1,548,158 |
| 22.6 | Technologies & Upgrade R&D | \$69,822 | \$785,653 | \$855,475 |
| 22.7 | S&C Program Management and CMS Coordination | \$289,670 | \$325,736 | \$615,406 |
| 22 | Software and Computing | \$10,073,359 | \$6,136,551 | \$16,209,910 |
| U.S. CMS Operations Program Total | | \$27,528,843 | \$10,566,516 | \$38,095,360 |