

Phase 2 Upgrade R&D Changes in CY16 Q2

Description	Institution	Change \$
CR-045: HGCAL M&S and travel for testbeam	Iowa	\$10,000
Adjustments prior to SOWs	Various	\$118,931
The following portions of Phase2 budget items moved out of the Operations Program when \$500,000 was redirected to HL-LHC OPC		
Endcap Calo (module assembly & sensor testing, cassette services)	FNAL	(\$112,393)
Project Office	FNAL	(\$166,330)
Trigger (Calo demonstrator boards)	Wisconsin	(\$70,000)
Trigger overhead	FNAL	(\$3,038)
Tracker (outer tracker)	FNAL	(\$148,239)
Total change from Q2 plan to Q3 plan		(\$371,069)