

Activity ID	Activity Description	Early Start	Early Finish	Budgeted Cost	FY07		FY08		FY09		FY10		FY11										
					J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J
<b>1 LCLS PROJECT - PED &amp; CONSTRUCTION</b>																							
<b>1.04 UNDULATOR SYSTEM</b>																							
<b>1.04.01 Undulator System Management &amp; Integration</b>																							
<b>+ 1.04.01.01 Undulator System Management</b>																							
		07/02/07	10/31/08	1,257,262																			
<b>+ 1.04.01.02 Undulator System Materials &amp; Supplies</b>																							
		07/02/07	02/29/08	115,969																			
<b>+ 1.04.01.03 Undulator System Reviews and Workshops</b>																							
		07/02/07	02/29/08	4,809																			
<b>1.04.02 Controls</b>																							
<b>+ 1.04.02.08 Undulator Magnet Power Supplies</b>																							
		07/02/07	04/15/08	318,128																			
<b>+ 1.04.02.10 Undulator Control Module</b>																							
		07/02/07	03/05/08	1,154,250																			
<b>+ 1.04.02.12 Rack and Cable</b>																							
		07/02/07	03/21/08	761,656																			
<b>+ 1.04.02.13 BPM</b>																							
		01/02/08	01/17/08	4,297																			
<b>+ 1.04.02.14 Long Term Test Prep</b>																							
		01/02/08	01/30/08	7,456																			
<b>+ 1.04.02.17 Undulator Controls - Management</b>																							
		07/02/07	09/30/08	143,904																			
<b>+ 1.04.02.20 Undulator MPS</b>																							
		10/01/07	05/28/08	176,412																			
<b>+ 1.04.02.21 Undulator Controls - Timing</b>																							
		01/02/08	04/25/08	153,638																			
<b>+ 1.04.02.22 Undulator Controls - BPM</b>																							
		07/02/07	03/27/08	171,124																			
<b>+ 1.04.02.23 Undulator Controls - Vacuum</b>																							
		01/02/08	07/07/08	233,910																			
<b>+ 1.04.02.24 Undulator Controls - ADS System</b>																							
		03/03/08	03/31/08	6,574																			
<b>1.04.03 Undulator Magnet &amp; Support</b>																							
<b>+ 1.04.03.03 1st Article Undulators &amp; Long Lead Procurements</b>																							
		07/02/07	12/18/08	793,581																			
<b>+ 1.04.03.04 Production Undulator Magnet Assembly &amp; Supports</b>																							
		07/02/07	01/28/08	2,280,848																			
<b>+ 1.04.03.05 Quadrupole Focusing Magnets</b>																							
		07/02/07	05/30/08	446,236																			
<b>+ 1.04.03.06 Undulator Magnetic Measurement Facility (SLAC)</b>																							
		07/02/07	10/31/08	3,167,222																			
<b>+ 1.04.03.08 Fixed Supports</b>																							
		07/02/07	12/17/08	745,964																			
<b>1.04.04 Vacuum System</b>																							
<b>+ 1.04.04.02 Undulator Vacuum Chamber Assembly</b>																							
		07/02/07	07/02/08	1,039,416																			

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					J	F	J	F	J	F	J	F	J	F
					M	A	M	D	M	A	M	D	M	A
<b>+ 1.04.04.03 Beam-line Bellows Module Assembly</b>														
		09/17/07	02/15/08	50,453										
<b>+ 1.04.04.04 Single Undulator Test (SUT) Vacuum</b>														
		07/02/07	08/09/07	323										
<b>+ 1.04.04.05 Short Diagnostic Break (SDB) Assembly</b>														
		08/27/07	03/25/08	81,123										
<b>+ 1.04.04.06 Long Diagnostic Break (LDB) Assembly</b>														
		07/02/07	02/22/08	78,124										
<b>+ 1.04.04.09 Baking System</b>														
		07/02/07	10/09/07	84,443										
<b>1.04.05 Diagnostics</b>														
<b>+ 1.04.05.05 RFBPM</b>														
		07/02/07	08/29/08	1,481,668										
<b>+ 1.04.05.06 Beam Finder Wire</b>														
		07/02/07	04/07/08	541,543										
<b>+ 1.04.05.08 Beam Loss Monitoring</b>														
		07/02/07	01/29/09	285,882										
<b>1.04.06 Undulator System Installation and Alignment</b>														
<b>+ 1.04.06.06 2008 Undulator System Installation</b>														
		12/05/07	10/15/08	1,888,770										
<b>2 LCLS PROJECT - R&amp;D, SPARES, COMMISSIONING</b>														
<b>2.04 UNDULATOR SYSTEM (OPC)</b>														
<b>2.04.01 Undulator System Management &amp; Integration</b>														
<b>+ 2.04.01.01 Undulator System Mgmt &amp; Integration</b>														
		07/02/07	07/15/09	1,761,031										
<b>2.04.02 Controls</b>														
<b>+ 2.04.02.01 Controls Management and Integration</b>														
		10/03/08	12/02/08	96,189										
<b>2.04.03 Undulator Magnet &amp; Support</b>														
<b>+ 2.04.03.01 Und Magnet &amp; Support-Mgmt &amp; Integration</b>														
		07/02/07	10/29/07	54,877										
<b>+ 2.04.03.03 1st Article Undulators &amp; Long Lead Procurements</b>														
		12/18/07	06/23/08	21,044										
<b>+ 2.04.03.04 Production Undulator</b>														
		10/02/08	03/31/09	2,424,721										
<b>+ 2.04.03.05 Focusing Magnets</b>														
		10/02/08	11/17/08	28,700										
<b>+ 2.04.03.06 Undulator Magnetic Measurement Facility (SLAC)</b>														
		04/01/09	09/30/09	289,244										
<b>+ 2.04.03.08 Fixed Supports</b>														
		01/18/08	02/04/08	66,824										
<b>2.04.04 Vacuum System</b>														
<b>+ 2.04.04.02 Undulator Vacuum Chamber Assembly</b>														
		07/02/07	01/09/09	133,863										
<b>+ 2.04.04.03 Beam-line Bellows Module Assembly</b>														
		10/06/08	12/02/08	15,019										

Activity ID	Activity Description	Early Start	Early Finish	Budgeted Cost	Fiscal Year																	
					FY07			FY08			FY09			FY10			FY11					
					J	F	M	J	F	M	J	F	M	J	F	M	J	F				
+ 2.04.04.04	Single Undulator Test(SUV) Vacuum	08/10/07	08/08/08	4,064																		
+ 2.04.04.05	Short Diagnostic Break (SDB) Assembly	10/06/08	11/17/08	1,276																		
+ 2.04.04.06	Long Diagnostic Break (LDB) Assembly	10/06/08	12/02/08	6,056																		
<b>2.04.05 Undulator System Diagnostics [OPC]</b>																						
+ 2.04.05.05	RFBPM	07/06/07	05/28/08	63,073																		
+ 2.04.05.06	Beam Finder Wire	10/03/08	05/14/09	33,277																		
+ 2.04.05.08	Beam Loss Monitoring	11/14/08	11/14/08	16,667																		
+ 2.04.05.10	Single Undulator Test (SUT)-Diagnostics	07/02/07	06/30/08	4,053																		
<b>2.04.06 LTU/Undulator/Dump Commissioning</b>																						
+ 2.04.06.01	LTU/Undulator/Dump Commissioning	10/02/07	08/03/09	3,723,213																		