

Activity ID	Activity Description	Orig Dur	Total Float	Resource ID	Budgeted Cost	Predecessors	FY08					FY09					FY10					FY11					FY12																			
							Q1					Q2					Q3					Q4					Q1					Q2					Q3					Q4				
<b>1.2 X-RAY PUMP PROBE (XPP)</b>																																														
<b>01 Management / Administration</b>																																														
XPP 01000	START: XPP	0			0.00	PM001000	▶ <b>START: XPP</b>																																							
XPP 01020	COMP: Conceptual Instrument Dsn Complete - XPP	0			0.00	XPP 01260	◆ <b>COMP: Conceptual Instrument Dsn Complete - XPP</b>																																							
XPP 01040	COMP: Prelim Designs Complete - XPP Components	0	123		0.00	XPP 04780, XPP1221120, XPP1221140, XPP1221147, XPP1222120,	◆ <b>COMP: Prelim Designs Complete - XPP Components</b>																																							
XPP 01060	COMP: Final Designs Complete - XPP Components	0	793		0.00	XPP 01040, XPP 04905, XPP 08600, XPP 12010*, XPP1221160,	◆ <b>COMP: Final Designs Complete - XPP Components</b>																																							
XPP 01070	COMP: XPP Instrument Design Ready for CD-3a	0	125		0.00	XPP 01020, XPP 01295*	◆ <b>COMP: XPP Instrument Design Ready for CD-3a</b>																																							
XPP 01080	COMP: XPP Detector (BNL) Ready for CD-4a Install	0	219		0.00	BL 01490*	◆ <b>COMP: XPP Detector (BNL) Ready for CD-4a Install</b>																																							
XPP 01100	COMP: XPP Components CD-4a Installation Complete	0	75		0.00	XPP1285080*	◆ <b>COMP: XPP Components CD-4a Installation Complete</b>																																							
XPP 01105	COMP: XPP/LS Available for As Req'd Installation	0	186		0.00	XPP 01060, XPP1286030, XPP1286125*	COMP: XPP/LS Available for As Req'd Installation ◆																																							
<b>1.2.01 XPP System Integration &amp; Design</b>																																														
<b>02 Design / Engineering</b>																																														
<b>9100210 XPP System Integ &amp; Design</b>																																														
XPP 01215	Generate PRD - XPP System	5			0.00	XPP 01000	▶ <b>Generate PRD - XPP System</b>																																							
XPP 01220	COMP: PRD Released - XPP System	0			0.00	XPP 01215	◆ <b>COMP: PRD Released - XPP System</b>																																							
XPP 01240	Prelim XPP Instrument Design	75			0.00	XPP 01000, XPP 01220	▶ <b>Prelim XPP Instrument Design</b>																																							
XPP 01250	PIDR - Prelim Instrument Design Review - XPP	1			0.00	XPP 01240	▶ <b>PIDR - Prelim Instrument Design Review - XPP</b>																																							
XPP 01260	COMP: Instrument Conceptual Dsn Approved - XPP	0			0.00	XPP 01215, XPP 01250	◆ <b>COMP: Instrument Conceptual Dsn Approved - XPP</b>																																							
XPP 01300	XPP Physics Support FY07	19			0.00	XPP 01000	▶ <b>XPP Physics Support FY07</b>																																							
XPP 01320	XPP Physics Support FY08-Q1 & Q2	121		HIST_LBR	189,687.00	XPP 01300	▶ <b>XPP Physics Support FY08-Q1 &amp; Q2</b>																																							
XPP 18000	XPP Engineering Support FY07	19			0.00	XPP 01000	▶ <b>XPP Engineering Support FY07</b>																																							
XPP 18010	XPP Engineering Support FY08-Q1 & Q2	121			0.00	XPP 18000	▶ <b>XPP Engineering Support FY08-Q1 &amp; Q2</b>																																							
XPP 18060	XPP Design Support FY07	19			0.00	XPP 01000	▶ <b>XPP Design Support FY07</b>																																							
XPP 18070	XPP Design Support FY08-Q1 & Q2	121			0.00	XPP 18060	▶ <b>XPP Design Support FY08-Q1 &amp; Q2</b>																																							
XPP 18130	XPP Vendor Visits FY07	19			0.00	XPP 01000	▶ <b>XPP Vendor Visits FY07</b>																																							
XPP 18140	XPP Vendor Visits FY08-Q1 & Q2	121		HIST_M&S	2,002.00	XPP 18130	▶ <b>XPP Vendor Visits FY08-Q1 &amp; Q2</b>																																							
XPP 18190	XPP Lab Supplies FY08-Q1 & Q2	121		HIST_M&S	11,361.00	XPP 01000	▶ <b>XPP Lab Supplies FY08-Q1 &amp; Q2</b>																																							
XPP1232100	START: XPP Laser System (LS)	0			0.00	XPP 01000	▶ <b>START: XPP Laser System (LS)</b>																																							
XPP1232105	Generate PRD - Laser System	85			0.00	XPP1232100	▶ <b>Generate PRD - Laser System</b>																																							
XPP1232110	COMP: PRD Released - XPP Laser System	0			0.00	XPP1232105	◆ <b>COMP: PRD Released - XPP Laser System</b>																																							
<b>9110201 XPP System Integration &amp; Design</b>																																														
XPP 01270	REQD: Diag & Common Optics Ready for XPP FIDR	0	148		0.00	DI 00110*	◆ <b>REQD: Diag &amp; Common Optics Ready for XPP FIDR</b>																																							

Activity ID	Activity Description	Orig Dur	Total Float	Resource ID	Budgeted Cost	Predecessors	Schedule											
							FY08		FY09		FY10		FY11		FY12			
XPP 01275	REQD: Controls and DAQ Ready for XPP FIDR	0	125		0.00	CD 00002*, CD 01000*												
XPP 01280	REQD: XPP Components Ready for XPP FIDR	0	137		0.00	XPP 04780, XPP 08600, XPP1221115, XPP1221135, XPP1222115,												
XPP 01285	Prep for Final Instrument Design Review - XPP	20	125		0.00	XPP 01270, XPP 01275*, XPP 01280												
XPP 01290	FIDR - Final Instrument Design Review - XPP	2	125		0.00	XPP 01285*												
XPP 01295	Incorp FIDR Changes - XPP	10	125		0.00	XPP 01290*												
XPP 01330	XPP Physics Support FY08-Q3 & Q4	131*	130	SL_PHSS	116,500.76	XPP 01320												
XPP 01340	XPP Physics Support FY09	249	130	SL_PHSS	65,058.72	XPP 01320, XPP 01330*												
XPP 01360	XPP Physics Support FY10	249	130	SL_PHSS	67,663.26	XPP 01340*												
XPP 01380	XPP Physics Support FY11	249	130	SL_PHSS	70,367.40	XPP 01360*												
XPP 01385	XPP Physics Support FY12	116	130	SL_PHSS	34,094.72	XPP 01380*												
XPP 18015	XPP Engineering Support FY08-Q3 & Q4	131*	130	SL_MEE	57,996.32	XPP 18010												
XPP 18020	XPP Engineering Support FY09	249	130	SL_MEE	114,649.56	XPP 18010, XPP 18015*												
XPP 18030	XPP Engineering Support FY10	249	130	SL_MEE	89,430.84	XPP 18020*												
XPP 18040	XPP Engineering Support FY11	249	130	SL_MEE	62,005.98	XPP 18030*												
XPP 18050	XPP Engineering Support FY12	116	130	SL_MEE	30,041.68	XPP 01385*, XPP 18040*												
XPP 18075	XPP Design Support FY08-Q3 & Q4	131*	130	SL_MDD	32,611.14	XPP 18070												
XPP 18080	XPP Design Support FY09	249	130	SL_MDD	42,977.40	XPP 18070, XPP 18075*												
XPP 18090	XPP Design Support FY10	249	130	SL_MDD	44,695.50	XPP 18080*												
XPP 18100	XPP Design Support FY11	249	130	SL_MDD	23,241.66	XPP 18090*												
XPP 18110	XPP Design Support FY12	116	130	SL_MDD	11,261.28	XPP 18050*, XPP 18100*												
XPP 18145	XPP Vendor Visits FY08-Q3 & Q4	131*	130	SL_TRVL	3,772.80	XPP 18140												
XPP 18150	XPP Vendor Visits FY09	249	130	SL_TRVL	11,070.00	XPP 18140, XPP 18145*												
XPP 18160	XPP Vendor Visits FY10	249	130	SL_TRVL	11,340.00	XPP 18150*												
XPP 18170	XPP Vendor Visits FY11	249	130	SL_TRVL	3,840.00	XPP 18160*												
XPP 18180	XPP Vendor Visits FY12	116	130	SL_TRVL	3,930.00	XPP 18110*, XPP 18170*												
XPP 18200	XPP Lab Supplies	994*	130	SL_MSCS	29,518.09	XPP 18180*, XPP 18190												
<b>1.2.02.01 Support Table, Supports &amp; Shielding</b>																		
<b>02 Design / Engineering</b>																		
<b>9110202 Design &amp; Engr - Support Table/Supports/Shielding</b>																		
XPP1221100	START: Support Table, Supports, Shielding	0			0.00	XPP 01260												
XPP1221105	Prelim Design & Analysis - Long Table	70	180	SL_MDD, SL_MEE	51,484.18	XPP1221100												
XPP1221110	Prep for PDR - Long Table	10	209	SL_MEE, SL_MDD	5,257.00	XPP1221105*												

Activity ID	Activity Description	Orig Dur	Total Float	Resource ID	Budgeted Cost	Predecessors	FY08		FY09		FY10		FY11		FY12	
XPP1221115	PDR - Prelim Design Review - Long Table	1	209	SL_MEE, SL_MDD	774.64	XPP1221110*			X							
XPP1221120	COMP: Prelim Design - Long Table	0	209		0.00	XPP1221115*				X						
XPP1221125	Prelim Design & Analysis - Short Table	15	180	SL_MDD, SL_MEE	9,598.82	XPP1221100, XPP1221105*			X							
XPP1221130	Prep for PDR - Short Table	10	194	SL_MEE, SL_MDD	5,257.00	XPP1221125*			X							
XPP1221135	PDR - Prelim Design Review - XPP Short Table	1	194	SL_MEE, SL_MDD	774.64	XPP1221130*			X							
XPP1221140	COMP: Prelim Design - Short Table	0	194		0.00	XPP1221135*				X						
XPP1221145	Prelim Design - Optics Shielding	25	180	SL_MEE, SL_MDD	11,370.66	XPP1221100, XPP1221105, XPP1221125*			X							
XPP1221147	COMP: Prelim Design - Optics Shielding	0	180		0.00	XPP1221145*				X						
XPP1221150	Radiation Simulations - Optics Shielding	15	186	SL_PHH	7,573.60	XPP1221145*			X							
XPP1221155	Prep Radiation Document - Optics Shielding	10	186	SL_MEE	4,498.08	XPP1221150*			X							
XPP1221160	COMP: Radiation Approval - Optics Shielding	0	186		0.00	XPP1221155*				X						
XPP1221165	Finalize Design - Optics Shielding	20	186	SL_MEE, SL_MDD	4,632.17	XPP1221160*			X							
XPP1221170	Finalize Design & Analysis Long Support Table	40	220	SL_MDD, SL_MEE	28,909.90	XPP1221120*			X							
XPP1221175	Finalize Design & Analysis Short Support Table	8	237	SL_MDD, SL_MEE	4,564.26	XPP1221140*			X							
XPP1221180	Prep for FDR - Long/Short Table	10	225	SL_MEE, SL_MDD	5,467.40	XPP1221165*, XPP1221170, XPP1221175			X							
XPP1221185	FDR - Final Dsn Review- Long/Short Table/Shield	1	225	SL_MEE, SL_MDD	805.64	XPP1221180*, XPP1221205			X							
XPP1221190	Incorp FDR Changes - Supt Table/Supts/Shieldng	5	225	SL_MDD, SL_MEE	3,912.96	XPP1221185*			X							
XPP1221195	Prep for Seismic Review - Supt Table/Supts/Shiel	10	264	SL_MEE	2,656.32	XPP1221120, XPP1221140*			X							
XPP1221200	Seismic Peer Review & Approval - Supt/Shielding	20	264		0.00	XPP1221195*			X							
XPP1221205	COMP: Seismic Committee Approval	0	264		0.00	XPP1221200*				X						
XPP1221215	Detail Drawings & Spec - Support & Shielding	45	186	SL_MDD	27,098.20	XPP1221165*, XPP1221170, XPP1221175			X							
XPP1221220	Check & Release Dwgs - Supt Tble/Supts/Sh	30	186	SL_MDD	16,310.70	XPP1221215*			X							
XPP1221225	COMP: Detail Dwgs - SuptTble/Supts/Shie	0	186		0.00	XPP1221215, XPP1221220*				X						
XPP1221230	Generate Mfg Docs - Supt Table/Supts/Shielng	20	225	SL_MEE	9,208.80	XPP1221190*			X							
XPP1221235	Design Status Review - Supt Table/Supts/Shieldng	1	186		0.00	XPP1221225*, XPP1221230			X							
XPP1221237	COMP: Final Design - Long/Short Table/Shielding	0	186		0.00	XPP1221235*				X						
<b>03 Procurement</b>																
<b>9110203 Procurement - Support Table/Supports/Shielding</b>																
XPP1221500	Procurement Preps - Supt Table, Supts, Shielding	30	186		0.00	PM300100, XPP1221237*			X							
XPP1221505	AWARD: PO - XPP Supt Table/Supts/Shielding Parts	1	186	AWARD	55,704.20	PM003000, XPP1221500*			X							
XPP1221510	Vendor Fab - Supt Table, Supts, Shieldng	60	186	SL_MSEQ	55,704.20	XPP1221505*			X							
XPP1221515	RCV: XPP Supt Table, Supts, Shielding	0	186		0.00	XPP1221510*				X						

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<b>05 Fab / Assembly</b>																			
<b>9110204 Fab &amp; Assembly - Support Table/Supports/Shieldin</b>																			
XPP1221520	Inspect Procured Parts - SuptTble/Supts/Shield	10	186	SL_AT	2,901.60	XPP1221515*													
XPP1221525	Machine/Drill Holes/Assemble - SuptTble/Supts/Sh	30	186	SL_MF	28,128.84	XPP1221520*													
XPP1221530	AVAIL: XPP Supts/Table/Shielding Ready for Instl	0	186		0.00	XPP1221520, XPP1221525*													
<b>1.2.02.02 Optics Support Table &amp; Supports</b>																			
<b>02 Design / Engineering</b>																			
<b>9110205 Design &amp; Engr - Optics Support Table/Supports</b>																			
XPP1222100	START: Optics Support Table & Supports	0	207		0.00	XPP 01260, XPP1222100													
XPP1222105	Prelim Design & Analysis - Optics Support Table	7	202	SL_MEE, SL_MDD	6,390.42	XPP1222105*, XPP1222100													
XPP1222110	Prep for PDR - Opt Supt Table	10	202	SL_MDD, SL_MEE	5,257.00	XPP1222105*													
XPP1222115	PDR - Prelim Design Review - Optical Supt Table	1	202	SL_MEE, SL_MDD	774.64	XPP1222110*													
XPP1222120	COMP: Prelim Design - Optical Support Table	0	202		0.00	XPP1222115*													
XPP1222125	Prelim Design - Optics Shielding	15	223	SL_MEE, SL_MDD	7,828.90	XPP1222100, XPP1222105*													
XPP1222130	Radiation Simulations - Optics Shielding	15	223	SL_PHH	7,573.60	XPP1222125*													
XPP1222135	Prep Radiation Document - Optics Shielding	10	223	SL_MEE	4,427.20	XPP1222130*													
XPP1222140	COMP: Radiation Approval - Optics Shielding	0	223		0.00	XPP1222135*													
XPP1222145	Finalize Design - Optics Shielding	10	223	SL_MEE, SL_MDD	4,453.94	XPP1222140*													
XPP1222150	Finalize Design & Analysis - Optics Supt Table	15	247	SL_MDD, SL_MEE	4,924.00	XPP1222120*													
XPP1222155	Prep for FDR - Support & Shield	10	223	SL_MDD, SL_MEE	5,383.24	XPP1222145*, XPP1222150													
XPP1222160	FDR - Final Design Review - Opt Supt Table/Supt	1	223	SL_MEE, SL_MDD	805.64	XPP1222155*, XPP1222185													
XPP1222165	Incorp FDR Changes - Opt Supt Table & Supports	10	223	SL_MDD, SL_MEE	3,912.96	XPP1222160*													
XPP1222170	Prep for Seismic Review - Opt Supt Table & Supts	10	252	SL_MEE	2,656.32	XPP1222120*													
XPP1222175	Seismic Peer Review & Approval - Opt Supt Tble	20	252		0.00	XPP1222170*													
XPP1222185	COMP: Seismic Committee Approval	0	252		0.00	XPP1222175*													
XPP1222195	Detail Drawings & Spec - Opt Supt Table/Supports	15	223	SL_MDD	6,645.10	XPP1222145, XPP1222150, XPP1222165*													
XPP1222200	Check & Release Dwgs - Opt Table & Supts	20	223	SL_MDD	3,969.80	XPP1222195*													
XPP1222205	COMP: Detail Dwgs - Opt Supt Tble/Supts	0	223		0.00	XPP1222200*													
XPP1222210	Design Status Review - Opt Supt Table/Supts	1	223		0.00	XPP1222205*													
XPP1222220	Generate Mfg Docs - Opt Supt Table & Supts	20	223	SL_MEE	9,208.80	XPP1222205, XPP1222210*													
XPP1222225	COMP: Final Design - Opt Supt Table & Shielding	0	223		0.00	XPP1222220*													

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<b>03 Procurement</b>																																				
<b>9110206 Procurement - Optics Support Table/Supports</b>																																				
XPP1222505	Procurement Preps - Opt Supt Tble & Supts Parts	30	197		0.00	PM300100, XPP1221225*, XPP1222205, XPP122225	<ul style="list-style-type: none"> <li>▲ Procurement Preps - Opt Supt Tble &amp; Supts Parts</li> </ul>																													
XPP1222510	AWARD: PO - XPP Opt Supt Tble & Supts Parts	1	197	AWARD	7,746.80	PM003000, XPP1222505*	<ul style="list-style-type: none"> <li>▲ AWARD: PO - XPP Opt Supt Tble &amp; Supts Parts</li> </ul>																													
XPP1222515	Vendor Fab - XPP Opt Supt Tble & Supts Parts	60	197	SL_MSEG	7,746.80	XPP1222510*	<ul style="list-style-type: none"> <li>▲ Vendor Fab - XPP Opt Supt Tble &amp; Supts Parts</li> </ul>																													
XPP1222520	RCV: XPP Optics & Dia Girder All Parts	0	197		0.00	XPP1222515*	<ul style="list-style-type: none"> <li>◆ RCV: XPP Optics &amp; Dia Girder All Parts</li> </ul>																													
<b>05 Fab / Assembly</b>																																				
<b>9110208 Fab &amp; Assembly - Optics Support Table/Supports</b>																																				
XPP1222535	Inspect Procured Parts - Opt & Dia Girder Misc	10	197	SL_AT	2,901.60	XPP1222520*	<ul style="list-style-type: none"> <li>▲ Inspect Procured Parts - Opt &amp; Dia Girder Misc</li> </ul>																													
XPP1222537	Machine/Drill Holes/Assemble - OptSuptTble/Supts	20	197	SL_MF	18,593.64	XPP1222535*	<ul style="list-style-type: none"> <li>▲ Machine/Drill Holes/Assemble - OptSuptTble/Supts</li> </ul>																													
XPP1222540	AVAIL: Optics & Diag Girder Ready for Instl	0	197		0.00	XPP1222537*	<ul style="list-style-type: none"> <li>◆ AVAIL: Optics &amp; Diag Girder Ready for Instl</li> </ul>																													
<b>1.2.03.01.02 Ti:Sapphire Amplifier(s) System/Pumps</b>																																				
<b>03 Procurement</b>																																				
<b>9110209 Procurement - Ti:Sapphire Amp System/Pumps</b>																																				
XPP 03160	Procurement Preps - Power Amp Misc Parts	30	327		0.00	PM300110*, XPP1232110	<ul style="list-style-type: none"> <li>▲ Procurement Preps - Power Amp Misc Parts</li> </ul>																													
XPP 03180	AWARD: PO(s) - Power Amp Misc Parts	1	327	AWARD	42,739.20	PM003000, XPP 03160*	<ul style="list-style-type: none"> <li>▲ AWARD: PO(s) - Power Amp Misc Parts</li> </ul>																													
XPP 03200	Vendor Fab - Power Amp Misc Parts	70	327	SL_MSEQ	42,739.20	XPP 03180*	<ul style="list-style-type: none"> <li>▲ Vendor Fab - Power Amp Misc Parts</li> </ul>																													
XPP 03220	RCV: Power Amp Misc Parts	0	327		0.00	XPP 03200*	<ul style="list-style-type: none"> <li>◆ RCV: Power Amp Misc Parts</li> </ul>																													
XPP 03280	Procurement Preps - Pockell Cell	30	333		0.00	PM300110*, XPP1232110	<ul style="list-style-type: none"> <li>▲ Procurement Preps - Pockell Cell</li> </ul>																													
XPP 03300	AWARD: PO - Pockell Cell	1	333	AWARD	10,640.00	PM003000, XPP 03280*	<ul style="list-style-type: none"> <li>▲ AWARD: PO - Pockell Cell</li> </ul>																													
XPP 03320	Vendor Fab - Pockell Cell	70	333	SL_MSEG	10,640.00	XPP 03300*	<ul style="list-style-type: none"> <li>▲ Vendor Fab - Pockell Cell</li> </ul>																													
XPP 03340	RCV: Pockell Cell	0	333		0.00	XPP 03320*	<ul style="list-style-type: none"> <li>◆ RCV: Pockell Cell</li> </ul>																													
XPP 03445	Procurement Preps - Compressor Misc Parts	30	156		0.00	PM300105*, XPP1232110	<ul style="list-style-type: none"> <li>▲ Procurement Preps - Compressor Misc Parts</li> </ul>																													
XPP 03447	AWARD: PO(s) - Compressor Misc Parts	1	156	AWARD	25,920.20	PM003000, XPP 03445*	<ul style="list-style-type: none"> <li>▲ AWARD: PO(s) - Compressor Misc Parts</li> </ul>																													
XPP 03449	Vendor Fab - Compressor Misc Parts	70	156	SL_MSEQ	25,920.20	XPP 03447*	<ul style="list-style-type: none"> <li>▲ Vendor Fab - Compressor Misc Parts</li> </ul>																													
XPP 03451	RCV: Compressor Misc Parts	0	156		0.00	XPP 03449*	<ul style="list-style-type: none"> <li>◆ RCV: Compressor Misc Parts</li> </ul>																													
XPP 03455	AVAIL: Compressor Misc Parts Ready for Instl	0	156		0.00	XPP 03451*	<ul style="list-style-type: none"> <li>◆ AVAIL: Compressor Misc Parts Ready for Instl</li> </ul>																													
<b>04 Subcontract</b>																																				
<b>9110210 Subcontract - Ti:Sapphire Amp System/Pumps</b>																																				
XPP 03360	Prep Bid Pkg & App - XPP Pwr Amp Pump (FOREIGN)	15	301		0.00	PM300110*, XPP1232110	<ul style="list-style-type: none"> <li>▲ Prep Bid Pkg &amp; App - XPP Pwr Amp Pump (FOREIGN)</li> </ul>																													
XPP 03362	RELEASE: RFP - Pwr Amp Pump (FOREIGN)	0	301		0.00	XPP 03360*	<ul style="list-style-type: none"> <li>◆ RELEASE: RFP - Pwr Amp Pump (FOREIGN)</li> </ul>																													
XPP 03364	Vendor Proposal Effort - Pwr Amp Pump (FOREIGN)	20	301		0.00	XPP 03362*	<ul style="list-style-type: none"> <li>▲ Vendor Proposal Effort - Pwr Amp Pump (FOREIGN)</li> </ul>																													
XPP 03366	RCV: Vendor Proposal - Pwr Amp Pump (FOREIGN)	0	301		0.00	XPP 03364*	<ul style="list-style-type: none"> <li>◆ RCV: Vendor Proposal - Pwr Amp Pump (FOREIGN)</li> </ul>																													
XPP 03368	Eval & Selection Process - XPP Pwr Amp Pump	15	301		0.00	XPP 03366*	<ul style="list-style-type: none"> <li>▲ Eval &amp; Selection Process - XPP Pwr Amp Pump</li> </ul>																													

Activity ID	Activity Description	Orig Dur	Total Float	Resource ID	Budgeted Cost	Predecessors	FY08		FY09		FY10		FY11		FY12	
XPP 03370	Vendor Selection - Pwr Amp Pump (FOREIGN)	0	301		0.00	XPP 03368*										◆ Vendor Selection - Pwr Amp Pump (FOREIGN)
XPP 03372	SLAC Approval Process - Pwr Amp Pump (FOREIGN)	5	301		0.00	XPP 03370*										▲ SLAC Approval Process - Pwr Amp Pump (FOREIGN)
XPP 03374	DOE Approval Process - Pwr Amp Pump (FOREIGN)	5	301		0.00	XPP 03372*										▲ DOE Approval Process - Pwr Amp Pump (FOREIGN)
XPP 03380	AWARD: Power Amplifier Pump (FOREIGN)	1	301	AWARD	246,400.00	PM003000, XPP 03360, XPP 03374*										▲ AWARD: Power Amplifier Pump (FOREIGN)
XPP 03400	Vendor Fab - Power Amp Pump	70	301	SL_MSEQ	246,400.00	XPP 03380*										▲ Vendor Fab - Power Amp Pump
XPP 03420	RCV: Power Amp Pump	0	301		0.00	XPP 03400*										◆ RCV: Power Amp Pump
<b>06 Testing</b>																
<b>9110211 Testing - Ti:Sapphire Amp System/Pumps</b>																
XPP 03035	REQD: XPP Laser Systems Controls HW & SW	0	323		0.00	CD 05100*, CD 05120*										◆ REQD: XPP Laser Systems Controls HW & SW
XPP 03235	REQD: XPP Laser Diagnostics Controls HW & SW	0	317		0.00	CD 05100*, CD 05120*										◆ REQD: XPP Laser Diagnostics Controls HW & SW
XPP 03240	Inspect/Test Procured Parts - Pwr Amp Misc Parts	6	317	SL_OE	5,040.00	XPP 03220, XPP 03235*										▲ Inspect/Test Procured Parts - Pwr Amp Misc Parts
XPP 03440	Inspect/Test Procured Parts - Power Amp Pump	2	301	SL_OE	1,008.00	XPP 03420*										▲ Inspect/Test Procured Parts - Power Amp Pump
XPP 03460	AVAIL: Ti:Sapphire Amp Ready for Install	0	301		0.00	XPP 03035, XPP 03240, XPP 03340, XPP 03440*										◆ AVAIL: Ti:Sapphire Amp Ready for Install
<b>1.2.03.01.03 Temporal Pulse Shaper</b>																
<b>04 Subcontract</b>																
<b>9110212 Subcontract - Temporal Pulse Shaper</b>																
XPP 03470	Prep Bid Pkg & App - XPP Dazzler (FOREIGN)	15	293		0.00	PM300110*, XPP1232110										▲ Prep Bid Pkg & App - XPP Dazzler (FOREIGN)
XPP 03472	RELEASE: RFP - Dazzler (FOREIGN)	0	293		0.00	XPP 03470*										◆ RELEASE: RFP - Dazzler (FOREIGN)
XPP 03474	Vendor Proposal Effort - Dazzler (FOREIGN)	20	293		0.00	XPP 03472*										▲ Vendor Proposal Effort - Dazzler (FOREIGN)
XPP 03476	RCV: Vendor Proposal - Dazzler (FOREIGN)	0	293		0.00	XPP 03474*										◆ RCV: Vendor Proposal - Dazzler (FOREIGN)
XPP 03478	Eval & Selection Process - Dazzler (FOREIGN)	15	293		0.00	XPP 03476*										▲ Eval & Selection Process - Dazzler (FOREIGN)
XPP 03480	Vendor Selection - Dazzler (FOREIGN)	0	293		0.00	XPP 03478*										◆ Vendor Selection - Dazzler (FOREIGN)
XPP 03482	SLAC Approval Process - Dazzler (FOREIGN)	5	293		0.00	XPP 03480*										▲ SLAC Approval Process - Dazzler (FOREIGN)
XPP 03484	DOE Approval Process - Dazzler (FOREIGN)	5	293		0.00	XPP 03482*										▲ DOE Approval Process - Dazzler (FOREIGN)
XPP 03500	AWARD: Dazzler (FOREIGN)	1	293	AWARD	69,148.80	PM003000, XPP 03484*										▲ AWARD: Dazzler (FOREIGN)
XPP 03520	Vendor Fab - Dazzler	70	293	SL_MSEQ	69,148.80	XPP 03500*										▲ Vendor Fab - Dazzler
XPP 03540	RCV: Dazzler	0	293		0.00	XPP 03520*										◆ RCV: Dazzler
<b>06 Testing</b>																
<b>9110213 Testing - Temporal Pulse Shaper</b>																
XPP 03560	Inspect/Test Procured Parts - Dazzler	10	293	SL_OE	5,040.00	XPP 03540*										▲ Inspect/Test Procured Parts - Dazzler
XPP 03580	AVAIL: Dazzler Ready for Installation	0	293		0.00	XPP 03560*										◆ AVAIL: Dazzler Ready for Installation

Activity ID	Activity Description	Orig Dur	Total Float	Resource ID	Budgeted Cost	Predecessors	FY08		FY09		FY10		FY11		FY12	
<b>1.2.03.01.04 Optical Parametric Amplifier</b>																
<b>04 Subcontract</b>																
<b>9110214 Subcontract - Optical Parametric Amp</b>																
XPP 03600	Prep Bid Pkg & App - XPP Optical Parametric Amp	15	293		0.00	PM300110*, XPP1232110										
XPP 03602	RELEASE: RFP - Optical Parametric Amp	0	293		0.00	XPP 03600*										
XPP 03604	Vendor Proposal Effort - Optical Parametric Amp	20	293		0.00	XPP 03602*										
XPP 03606	RCV: Vendor Proposals - Optical Parametric Amp	0	293		0.00	XPP 03604*										
XPP 03608	Eval & Selection Proces - Optical Parametric Amp	15	293		0.00	XPP 03606*										
XPP 03610	Vendor Selection - Optical Parametric Amp	0	293		0.00	XPP 03608*										
XPP 03612	SLAC Approval Process - Optical Parametric Amp	5	293		0.00	XPP 03610*										
XPP 03614	DOE Approval Process - Optical Parametric Amp	5	293		0.00	XPP 03612*										
XPP 03620	AWARD: Optical Pulse Amplifier	1	293	AWARD	110,404.00	PM003000, XPP 03614*										
XPP 03640	Vendor Fab - Optical Parametric Amp (OPA)	70	293	SL_MSEQ	110,404.00	XPP 03620*										
XPP 03660	RCV: Optical Parametric Amplifier	0	293		0.00	XPP 03640*										
<b>06 Testing</b>																
<b>9110215 Testing - Optical Parametric Amp</b>																
XPP 03680	Inspect/Test Procured Parts - Optical Para Amp	10	293	SL_OE	5,040.00	XPP 03660*										
XPP 03700	AVAIL: Optical Parametric Amp Ready for Install	0	293		0.00	XPP 03680*										
<b>1.2.03.02.01 Optics &amp; Optomechanics</b>																
<b>03 Procurement</b>																
<b>9110216 Procurement - Optics &amp; Optomechanics</b>																
XPP 03720	Procurement Preps - Opt & OptoMech Misc EQ	60	86		0.00	PM300105*, XPP1232110										
XPP 03740	AWARD: PO(s) - Opt & Opto Mechs Misc EQ	1	86	AWARD	207,459.70	PM003000, XPP 03720*										
XPP 03760	Vendor Fab - Opt & OptoMech Misc EQ	110	86	SL_MSEQ	207,459.70	XPP 03740*										
XPP 03780	RCV: Opt & Opto Mechs All Parts	0	86		0.00	XPP 03760*										
XPP 03785	REQD: XPP Laser Sync & Optic Controls HW & SW	0	106		0.00	CD 05363*, CD 05365*										
XPP 03790	AVAIL: Optics/Optomech Ready for Installation	0	86		0.00	XPP 03780*, XPP 03785										
<b>1.2.03.02.02 Laser Diagnostics</b>																
<b>03 Procurement</b>																
<b>9110217 Procurement - Laser Diagnostics</b>																
XPP 04020	Procurement Preps - Grenouille	30	146		0.00	PM300105*, XPP1232110										
XPP 04040	AWARD: PO - Grenouille	1	146	AWARD	23,435.00	PM003000, XPP 04020*										
XPP 04060	Vendor Fab - Grenouille	70	146	SL_MSEG	23,435.00	XPP 04040*										
XPP 04080	RCV: Laser Diagnostics Grenouille	0	146		0.00	XPP 04060*										





Activity ID	Activity Description	Orig Dur	Total Float	Resource ID	Budgeted Cost	Predecessors	FY08					FY09					FY10					FY11					FY12									
XPP 04228	Eval & Selection Proc - Lsr Diag Sampling Scope	15	335		0.00	XPP 04226*																														
XPP 04230	Vendor Selection - Laser Diag Sampling Scope	5	335		0.00	XPP 04228*																														
XPP 04232	SLAC Approval Process - Lsr Diag Sampling Scope	5	335		0.00	XPP 04230*																														
XPP 04234	DOE Approval Process - Lsr Diag Sampling Scope	30	335		0.00	XPP 04232*																														
XPP 04240	AWARD: Sampling Scope	1	306	AWARD	34,924.80	PM003000*, XPP 04234																														
XPP 04260	Vendor Fab - Sampling Scope	70	306	SL_MSEQ	34,924.80	XPP 04240*																														
XPP 04280	RCV: Laser Diagnostics Sampling Scope	0	306		0.00	XPP 04260*																														
<b>06 Testing</b>																																				
<b>9110219 Testing - Laser Diagnostics</b>																																				
XPP 04005	REQD: XPP Laser Diag & PPS Controls HW & SW	0	156		0.00	CD 05500*, CD 05520*																														
XPP 04010	Inspect/Test Procured Parts - Fast Oscilloscope	10	156		0.00	XPP 03980, XPP 04005*																														
XPP 04100	REQD: XPP Laser Diag & PPS Controls HW & SW	0	156		0.00	CD 05500*, CD 05520*																														
XPP 04105	Inspect/Test Procured Parts - Grenouille	10	146		0.00	XPP 04080*, XPP 04100																														
XPP 04200	REQD: XPP Laser Diag & PPS Controls HW & SW	0	582		0.00	CD 05500*, CD 05520*																														
XPP 04205	Inspect/Test Procured Parts - Correlator	10	293		0.00	XPP 04180*, XPP 04200																														
XPP 04210	AVAIL: XPP Lsr Diag Correlator Ready for Instl	0	293		0.00	XPP 04205*																														
XPP 04340	REQD: XPP Laser Diag & PPS Controls HW & SW	0	156		0.00	CD 05500*, CD 05520*																														
XPP 04345	Inspect/Test Procured Parts - Other Lsr Diag EQ	10	146		0.00	XPP 04320*, XPP 04340																														
XPP 04350	REQD: XPP Laser Diag & PPS Controls HW & SW	0	156		0.00	CD 05500*, CD 05520*																														
XPP 04355	Inspect/Test Procured Parts - Sampling Scope	10	156		0.00	XPP 04280, XPP 04350*																														
XPP 04365	AVAIL: Laser Diagnostics EQ Ready for Instl	0	146		0.00	XPP 04010, XPP 04105*, XPP 04345*, XPP 04355																														
<b>1.2.03.02.03 Hutch Optical Table System</b>																																				
<b>02 Design / Engineering</b>																																				
<b>9110220 Design &amp; Engr - Hutch Optical Table Sys</b>																																				
XPP1232115	Prelim Design - Hutch Optical Table-Location	89	185	SL_MEE, SL_MDD	10,430.66	XPP1232110																														
XPP1232120	PDR - Prelim Design Review - Hutch Opt Table Loc	1	200	SL_MDD, SL_MEE	774.64	XPP1232115*																														
XPP1232125	Final Design - Hutch Optical Table-Location	10	365	SL_MDD, SL_MEE	8,051.10	XPP1232120*																														
XPP1232130	FDR - Final Dsn Rev - Hutch Optical Table Loc	1	356		0.00	XPP1232125, XPP1232190*																														
XPP1232135	Incorp FDR Changes - Hutch Opt Table Loc	10	356	SL_MDD, SL_MEE	3,762.40	XPP1232130*																														
XPP1232180	Prep for Seismic Review - Hutch Opt Tble System	10	356	SL_MEE	2,656.32	XPP1232120*																														
XPP1232185	Seismic Peer Review & Approval - Hutch Opt Tble	20	356		0.00	XPP1232180*																														
XPP1232190	COMP: Seismic Committee Approval - Hutch Opt Tbl	0	356		0.00	XPP1232185*																														
XPP1232200	Detail Assembly Dwgs & Spec - Hutch Opt Tble Sys	10	360	SL_MDD	2,489.40	XPP1232125, XPP1232155*																														

Activity ID	Activity Description	Orig Dur	Total Float	Resource ID	Budgeted Cost	Predecessors	FY08		FY09		FY10		FY11		FY12	
XPP1232205	Check & Release Dwgs - Hutch Opt Tble System	5	360	SL_MDD	1,493.64	XPP1232200*										
XPP1232210	COMP: Hutch Optical Table System Design	0	356		0.00	XPP1232135*, XPP1232205										
<b>03 Procurement</b>																
<b>9110221 Procurement - Hutch Optical Table Sys</b>																
XPP 04400	Procurement Preps - Hutch Opt Table System Parts	30	106		0.00	PM300105*, XPP1232210										
XPP 04420	AWARD: PO(s) - XPP Hutch Optical Table Sys Parts	1	106	AWARD	50,957.50	PM003000, XPP 04400*										
XPP 04460	Vendor Fab - XPP Hutch Optical Table Sys Parts	80	106	SL_MSEQ	50,957.50	XPP 04420*										
XPP 04480	RCV: XPP Hutch Optical Table System Parts	0	106		0.00	XPP 04460*										
XPP 04485	AVAIL: XPP Hutch Opt Table Sys Ready for Instl	0	106		0.00	XPP 04480*										
<b>1.2.03.02.04 Optical Experiments</b>																
<b>03 Procurement</b>																
<b>9110222 Procurement - Optical Experiments</b>																
XPP 04580	Procurement Preps - XPP Optical Experiments EQ	30	293		0.00	PM300110*, XPP1232110										
XPP 04600	AWARD: PO(s) - XPP Optical Experiments EQ	1	293	AWARD	24,460.80	PM003000, XPP 04580*										
XPP 04620	Vendor Fab - XPP Optical Experiments EQ	110	293	SL_MSEQ	24,460.80	XPP 04600*										
XPP 04640	RCV: XPP Optical Experiments EQ	0	293		0.00	XPP 04620*										
XPP 04660	AVAIL: XPP Optical Experiments Ready for Install	0	293		0.00	XPP 04640*										
<b>1.2.03.02.05 Laser Containment System</b>																
<b>02 Design / Engineering</b>																
<b>9110223 Design &amp; Engr - Laser Containment Sys</b>																
XPP 04680	Start Laser Containments System	0			0.00	XPP1232110, XPP1232115, XPP1232145										
XPP 04700	Generate ESD - Laser Containment System	10	214	SL_MEE	4,427.20	XPP1232110										
XPP 04720	COMP: ESD Released - Laser Containments System	0	214		0.00	XPP 04700*										
XPP 04740	Submit Laser Safety Plan for Approval	0	414		0.00	XPP 04720*										
XPP 04760	Prelim Design - Laser Containment System	124	165	SL_MD	10,041.12	XPP 04680, XPP 04720										
XPP 04780	PDR - Prelim Design Review - Laser Containment	1	165	SL_MEE, SL_MDD	774.64	XPP 04720, XPP 04760*										
XPP 04800	Laser Safety Review - Laser Containment Sys	1	364		0.00	XPP 04740, XPP 04780*										
XPP 04820	COMP: Laser Safety Approval	0	364		0.00	XPP 04800*										
XPP 04840	Finalize Design - Laser Containment System	20	364	SL_MD	3,629.10	XPP 04780, XPP 04820*										
XPP 04860	Detail Drawings - Laser Containment System	20	364	SL_MD	7,328.80	XPP 04840*										
XPP 04880	FDR - Final Design Review - Laser Containments	1	373	SL_MEE, SL_MDD	805.64	XPP 04840*										
XPP 04900	Incorp FDR Changes - Laser Containment	10	373	SL_MDD, SL_MEE	3,912.96	XPP 04880*										
XPP 04905	COMP: Final Design Complete - Laser Containment	0	364		0.00	XPP 04860*, XPP 04900										



Activity ID	Activity Description	Orig Dur	Total Float	Resource ID	Budgeted Cost	Predecessors	FY08												FY09												FY10												FY11												FY12											
<b>02 Design / Engineering</b>																																																																		
<b>9110241 Mgmt/Administration - Detector Support and Integ</b>																																																																		
BL 01070	July 2008 Detector Advisory Committee Review	2			0.00		X July 2008 Detector Advisory Committee Review																																																											
BL 01080	January 2009 Detector Advisory Committee Review	0	0		0.00	BL 01070	♦ January 2009 Detector Advisory Committee Review																																																											
BL 01130	Closeout Review	0	313		0.00	BL 01850*																									♦ Closeout Review																																			
BL 01450	XPP Completed - Package design	0	919		0.00	BL 01430, BL 01440*													♦ XPP Completed - Package design																																															
BL 01480	XPP Completed - System assembled and functional	0	718		0.00	BL 01450, BL 01460*, BL 01470, BL 01960																									♦ XPP Completed - System assembled and functional																																			
BL 01510	XPP Completed - System installed at SLAC	0	452		0.00	BL 01500*																																					♦ XPP Completed - System installed at SLAC																							
BL 02078	XPP Detector Management FY08	262	724	BL_SCI03, BL_TRVL, BL_PCG	140,043.36		XPP Detector Management FY08																																																											
BL 02080	XPP Detector Management FY09	249	724	BL_TRVL, BL_SCI03	19,762.04	BL 02078*													XPP Detector Management FY09																																															
BL 02130	XPP MOU Technical Addendum FY09	43	931		0.00														XPP MOU Technical Addendum FY09																																															
<b>04 Subcontract</b>																																																																		
<b>9110241 Mgmt/Administration - Detector Support and Integ</b>																																																																		
BL 02160	XPP IBM pixel test	62	219		0.00		XPP IBM pixel test																																																											
BL 02190	XPP IBM pixel re-fab	44	219		0.00	BL 02160*	XPP IBM pixel re-fab																																																											
BL 02200	XPP IBM pixel re-test	43	219		0.00	BL 02190*	XPP IBM pixel re-test																																																											
<b>06 Testing</b>																																																																		
<b>9110241 Mgmt/Administration - Detector Support and Integ</b>																																																																		
BL 01470	XPP Integrate detector and computer	100	219	BL_SCI03, BL_SCI01, BL_MSHV, BL_PDOC2, BL_PDOC1,	286,697.64	BL 01520*																									XPP Integrate detector and computer																																			
BL 01490	XPP Deliver detector system	0	219		0.00	BL 01470*																																					♦ XPP Deliver detector system																							
<b>07 Installation</b>																																																																		
<b>9110241 Mgmt/Administration - Detector Support and Integ</b>																																																																		
BL 01500	XPP Commission System	60	452	BL_SCI03, BL_EE2	40,578.69	BL 01490, XPP 05470*																																					XPP Commission System																							
<b>1.2.04.02 Detector Sensor</b>																																																																		
<b>02 Design / Engineering</b>																																																																		
<b>9110242 Design/Engineering - Detector Sensor</b>																																																																		
BL 01260	Further XPP array optimization	60	225	BL_MSHV, BL_EE1	95,950.64		Further XPP array optimization																																																											
BL 01270	XPP Design Finalized	0	1,001		0.00	BL 01260*	♦ XPP Design Finalized																																																											
<b>05 Fab / Assembly</b>																																																																		
<b>9110242 Design/Engineering - Detector Sensor</b>																																																																		
BL 01280	XPP Fab full size arrays	70	219	BL_SCI01, BL_PDOC1	78,310.17	BL 01260, BL 02200*	XPP Fab full size arrays																																																											
BL 01290	XPP Pack. Completed - Fabricate Large area array	0	925		0.00	BL 01280*	♦ XPP Pack. Completed - Fabricate Large area array																																																											
<b>06 Testing</b>																																																																		
<b>9110242 Design/Engineering - Detector Sensor</b>																																																																		
BL 01300	XPP Test Full size Array	59	219	BL_PDOC1, BL_SCI02	66,575.47	BL 01280*	XPP Test Full size Array																																																											





Activity ID	Activity Description	Orig Dur	Total Float	Resource ID	Budgeted Cost	Predecessors	FY08			FY09			FY10			FY11			FY12		
XPP1251260	Finalize Design - Detector Mover	15	137	SL_MDD, SL_MEE	12,861.56	XPP1251255*				Finalize Design - Detector Mover											
XPP1251262	Finalize Design - Remaining Detector Mover Parts	15	137	SL_MEE, SL_MDD	12,861.56	XPP1251255, XPP1251260*				Finalize Design - Remaining Detector Mover Parts											
XPP1251265	Prep for FDR - Detector Mover	10	137	SL_MEE, SL_MDD	5,467.40	XPP1251260, XPP1251262*				Prep for FDR - Detector Mover											
XPP1251270	FDR - Final Design Review - Detector Mover	1	137		0.00	XPP1251265*				FDR - Final Design Review - Detector Mover											
XPP1251275	Incorp FDR Changes - Detector Mover	10	137	SL_MDD, SL_MEE	3,912.96	XPP1251270*				Incorp FDR Changes - Detector Mover											
XPP1251280	COMP: Final Design - Detector Mover	0	137		0.00	XPP1251275*				COMP: Final Design - Detector Mover											
XPP1251285	Specs & Drawings - Detector Mover	8	137	SL_MDD	3,797.20	XPP1251275*, XPP1251280*				Specs & Drawings - Detector Mover											
XPP1251290	Detail Drawings - Detector Mover Remaining Equip	10	225	SL_MDD	5,005.40	XPP1251275*, XPP1251280*				Detail Drawings - Detector Mover Remaining Equip											
XPP1251300	Assembly Drawings - Detector Mover	5	230	SL_MD	1,832.20	XPP1251275*, XPP1251280*				Assembly Drawings - Detector Mover											
XPP1251305	Check & Release Dwgs - Detector Mover	10	225	SL_MDD	5,523.20	XPP1251290*, XPP1251300				Check & Release Dwgs - Detector Mover											
XPP1251310	COMP: Detail Dwgs - Detector Mover	0	225		0.00	XPP1251305*				COMP: Detail Dwgs - Detector Mover											
XPP1251315	Generate Mfg Docs - Detector Mover	20	225	SL_MEE	9,208.80	XPP1251310*				Generate Mfg Docs - Detector Mover											
XPP1251325	Design Status Review - Detector Mover	1	225	SL_MDD, SL_MEE	3,222.56	XPP1251315*				Design Status Review - Detector Mover											
<b>03 Procurement</b>																					
<i>PRO_PP Procurement Planning Package</i>																					
XPP 23150	Procurement Preps - Diffractometer Misc Parts	30	106		0.00	XPP 23050*, XPP1251200, XPP1251220, XPP1251235				Procurement Preps - Diffractometer Misc Parts											
XPP 23160	AWARD: PO(s) - Diffractometer Misc Parts	1	106	AWARD	185,634.30	PM003000, XPP 23150*				AWARD: PO(s) - Diffractometer Misc Parts											
XPP 23170	Vendor Fab - Diffractometer Misc Parts	175	106	SL_MSEQ	186,531.49	XPP 23160*				Vendor Fab - Diffractometer Misc Parts											
XPP 23180	RCV: Diffractometer Misc Parts	0	106		0.00	XPP 23170*				RCV: Diffractometer Misc Parts											
XPP 23185	Procurement Preps - Detector Mover Misc Parts	30	103		0.00	PM300105*, XPP 23100, XPP1251310, XPP1251325				Procurement Preps - Detector Mover Misc Parts											
XPP 23190	AWARD: PO(s) - Detector Mover Misc Parts	1	103	AWARD	17,440.00	PM003000, XPP 23185*				AWARD: PO(s) - Detector Mover Misc Parts											
XPP 23210	Vendor Fab - Detector Mover Misc Parts	60	103	SL_MSEQ	17,440.00	XPP 23190*				Vendor Fab - Detector Mover Misc Parts											
XPP 23220	RCV: Detector Mover Misc Parts	0	103		0.00	XPP 23210*				RCV: Detector Mover Misc Parts											
<b>04 Subcontract</b>																					
<i>9110252 Subcontract - XPP Diffractometer Sys</i>																					
XPP 23000	Prep Bid Pkg & App - XPP Sample Tilt Platform	15	75		0.00	XPP1251190, XPP1251220*				Prep Bid Pkg & App - XPP Sample Tilt Platform											
XPP 23002	RELEASE: RFP - Sample Tilt Platform	0	90		0.00	XPP 23000*				RELEASE: RFP - Sample Tilt Platform											
XPP 23004	Vendor Proposal Effort - Sample Tilt Platform	20	90		0.00	XPP 23002*				Vendor Proposal Effort - Sample Tilt Platform											
XPP 23006	RCV: Vendor Proposals - Sample Tilt Platform	0	90		0.00	XPP 23004*				RCV: Vendor Proposals - Sample Tilt Platform											
XPP 23010	Eval & Selection Process - Sample Tilt Platform	15	90		0.00	XPP 23000, XPP 23006*				Eval & Selection Process - Sample Tilt Platform											
XPP 23012	Vendor Selection - Sample Tilt Platform	0	90		0.00	XPP 23010*				Vendor Selection - Sample Tilt Platform											
XPP 23014	SLAC Approval Process - Sample Tilt Platform	5	90		0.00	XPP 23012*				SLAC Approval Process - Sample Tilt Platform											
XPP 23016	DOE Approval Process - Sample Tilt Platform	5	90		0.00	XPP 23014*				DOE Approval Process - Sample Tilt Platform											

Activity ID	Activity Description	Orig Dur	Total Float	Resource ID	Budgeted Cost	Predecessors	FY08		FY09		FY10		FY11		FY12	
XPP 23020	AWARD: Sample Tilt Platform	1	90	AWARD	243,467.80	PM002200, XPP 23016*										
XPP 23030	Vendor Fab & Test - Sample Tilt Platform	180	90	SL_MSEQ	244,706.63	XPP 23020*										
XPP 23035	Review Vendor Test Results - Sample Tilt Pltfrm	1	90		0.00	XPP 23030*										
XPP 23040	RCV: Sample Tilt Platform	0	90		0.00	XPP 23035*										
XPP 23050	Prep Bid Pkg & App - XPP Sample Kappa Platform	15	75		0.00	XPP 23000*, XPP1251195										
XPP 23052	RELEASE: RFP - Sample Kappa Platform	0	75		0.00	XPP 23050*										
XPP 23054	Vendor Proposal Effort - Sample Kappa Platform	20	75		0.00	XPP 23052*										
XPP 23056	RCV: Vendor Proposals - Sample Kappa Platform	0	75		0.00	XPP 23054*										
XPP 23060	Eval & Selection Process - Sample Kappa Platform	15	75		0.00	XPP 23050, XPP 23056*										
XPP 23062	Vendor Selection - Sample Kappa Platform	0	75		0.00	XPP 23060*										
XPP 23064	SLAC Approval Process - Sample Kappa Platform	5	75		0.00	XPP 23062*										
XPP 23066	DOE Approval Process - Sample Kappa Platform	5	75		0.00	XPP 23064*										
XPP 23070	AWARD: Sample Kappa Platform	1	75	AWARD	129,566.30	PM002200, XPP 23060, XPP 23066*										
XPP 23080	Vendor Fab & Test - Sample Kappa Platform	180	75	SL_MSEQ	130,440.84	PM002210*, XPP 23070*										
XPP 23085	Review Vendor Test Results - Sample Kappa Pltfrm	1	75		0.00	XPP 23080*										
XPP 23090	RCV: XPP Sample Kappa Platform	0	75		0.00	XPP 23085*										
XPP 23100	Prep Bid Pkg & App - XPP Detector Mover	15	100		0.00	XPP 23050*, XPP1251285										
XPP 23102	RELEASE: RFP - Detector Mover	0	100		0.00	XPP 23100*										
XPP 23104	Vendor Proposal Effort - Detector Mover	20	100		0.00	XPP 23102*										
XPP 23106	RCV: Vendor Proposals - Detector Mover	0	100		0.00	XPP 23104*										
XPP 23110	Eval & Selection Process - Detector Mover	15	100		0.00	XPP 23100, XPP 23106*										
XPP 23112	SLAC Approval Process - Detector Mover	5	100		0.00	XPP 23110*										
XPP 23114	DOE Approval Process - Detector Mover	5	100		0.00	XPP 23112*										
XPP 23120	AWARD: Detector Mover	1	100	AWARD	181,900.00	PM002200, XPP 23114*										
XPP 23130	Vendor Fab & Test - Detector Mover	140	100	SL_MSEQ	183,527.14	XPP 23120*										
XPP 23135	Review Vendor Test Results - Detector Mover	1	100		0.00	XPP 23130*										
XPP 23140	RCV: Detector Mover	0	100		0.00	XPP 23135*										
<b>06 Testing</b>																
<b>9110253 Testing - XPP Diffractometer Sys</b>																
XPP 23230	Inspect Procured Parts - Sample Tilt Platform	3	90	SL_AT	2,011.80	XPP 23040*										
XPP 23240	Inspect Procured Parts - Sample Kappa Platform	3	75	SL_AT	2,011.80	XPP 23090*										
XPP 23250	Inspect Procured Parts - Diffractometer Misc	3	106	SL_AT	2,011.80	XPP 23180*										



Activity ID	Activity Description	Orig Dur	Total Float	Resource ID	Budgeted Cost	Predecessors	FY08		FY09		FY10		FY11		FY12		
XPP 23260	Inspect Procured Parts - Detector Mover	3	100	SL_AT	2,011.80	XPP 23140*, XPP1251315							☒ Inspect Procured Parts - Detector Mover				
XPP 23270	Inspect Procured Parts - Detector Movr Misc	3	103	SL_AT	2,011.80	XPP 23220*							☒ Inspect Procured Parts - Detector Movr Misc				
XPP 23330	AVAIL: Diffractometer Sys Ready for Installation	0	75		0.00	XPP 23230, XPP 23240*, XPP 23250, XPP 23260, XPP 23270							◆ AVAIL: Diffractometer Sys Ready for Installation				
<b>1.2.06.02 XPP Utilities &amp; Hutch Equipment</b>																	
<b>02 Design / Engineering</b>																	
<b>9110261 Design &amp; Engr - XPP Utilities &amp; Hutch Equip</b>																	
XPP 08300	XPP Hutch Layout/Design	20	210	SL_ME, SL_MD	17,527.20	PM300100*, XPP 01000, XPP1221100				☒ XPP Hutch Layout/Design							
<b>03 Procurement</b>																	
<b>9110262 Procurement - XPP Utilities &amp; Hutch Equip</b>																	
XPP 08330	Procurement Preps - XPP Hutch Cabinets	30	210		0.00	XPP 08300*				☒ Procurement Preps - XPP Hutch Cabinets							
XPP 08340	AWARD: PO - XPP Hutch Cabinets	1	141	AWARD	11,353.77	PM003000*, XPP 08330				☒ AWARD: PO - XPP Hutch Cabinets							
XPP 08380	Vendor Fab - XPP Hutch Cabinets	60	141	SL_MSEG	11,354.50	XPP 08340*				☒ Vendor Fab - XPP Hutch Cabinets							
XPP 08400	RCV: XPP Hutch Cabinets	0	141		0.00	XPP 08380*				◆ RCV: XPP Hutch Cabinets							
XPP 08410	Procurement Preps - XPP Drop Floor	30	210		0.00	XPP 08300*				☒ Procurement Preps - XPP Drop Floor							
XPP 08420	AWARD: PO - XPP Drop Floor	1	141	AWARD	21,852.61	PM003000*, XPP 08410				☒ AWARD: PO - XPP Drop Floor							
XPP 08430	Vendor Fab - XPP Drop Floor	60	141	SL_MSEG	21,852.61	XPP 08420*				☒ Vendor Fab - XPP Drop Floor							
XPP 08440	RCV: XPP Drop Floor	0	141		0.00	XPP 08430*				◆ RCV: XPP Drop Floor							
XPP 08450	Procurement Preps - XPP Cable Trays	30	210		0.00	XPP 08300*				☒ Procurement Preps - XPP Cable Trays							
XPP 08460	AWARD: PO - XPP Cable Trays	1	141	AWARD	21,400.00	PM003000*, XPP 08450				☒ AWARD: PO - XPP Cable Trays							
XPP 08470	Vendor Fab - XPP Cable Trays	60	141	SL_MSEG	21,400.00	XPP 08460*				☒ Vendor Fab - XPP Cable Trays							
XPP 08475	RCV: XPP Cable Trays	0	141		0.00	XPP 08470*				◆ RCV: XPP Cable Trays							
XPP 08481	Procurement Preps - Other Hutch EQ	30	210		0.00	XPP 08300*				☒ Procurement Preps - Other Hutch EQ							
XPP 08491	AWARD: PO - XPP Hutch Other Equipment	1	141	AWARD	10,700.00	PM003000*, XPP 08481				☒ AWARD: PO - XPP Hutch Other Equipment							
XPP 08501	Vendor Fab - Other XPP Hutch EQ	60	141	SL_MSEG	10,700.00	XPP 08491*				☒ Vendor Fab - Other XPP Hutch EQ							
XPP 08511	RCV: Other XPP Hutch EQ	0	141		0.00	XPP 08501*				◆ RCV: Other XPP Hutch EQ							
XPP 08516	AVAIL: XPP Utilities & Hutch EQ Ready for Instl	0	141		0.00	XPP 08400*, XPP 08440*, XPP 08475*, XPP 08511*				◆ AVAIL: XPP Utilities & Hutch EQ Ready for Instl							
<b>1.2.07.01 XPP Vacuum Equipment</b>																	
<b>02 Design / Engineering</b>																	
<b>9110271 Design &amp; Engr - XPP Vacuum Equip</b>																	
XPP 08480	Start XPP Vacuum System (Vac)	0	153		0.00	XPP 01220, XPP1221100*				◆ Start XPP Vacuum System (Vac)							
XPP 08540	Generate ESD - XPP Vacuum Equipment	10	153	SL_MEE	4,427.20	XPP 08480*				☒ Generate ESD - XPP Vacuum Equipment							
XPP 08560	COMP: ESD Released - XPP Vacuum Equipment	0	153		0.00	XPP 08540*				◆ COMP: ESD Released - XPP Vacuum Equipment							
XPP 08580	Vacuum Design & Analysis	40	153	SL_MEE, SL_MDD	15,787.30	XPP 08560*				☒ Vacuum Design & Analysis							
XPP 08600	FDR - XPP Vacuum Equip Final Design Review	1	153	SL_MEE, SL_MDD	805.64	XPP 08580*				☒ FDR - XPP Vacuum Equip Final Design Review							



Activity ID	Activity Description	Orig Dur	Total Float	Resource ID	Budgeted Cost	Predecessors	FY08		FY09		FY10		FY11		FY12				
<b>06 Testing</b>																			
<b>9110274 Testing - XPP Vacuum Equip</b>																			
XPP 08960	Inspect/Test Procured Parts - XPP Ion Pumps	10	116	SL_AT	2,414.16	XPP 08950*													
XPP 08970	AVAIL: XPP Ion Pumps Ready for Install	0	116		0.00	XPP 08960*													
XPP 15040	Inspect/Test Procured Parts - XPP Ion Gauges	10	116	SL_AT	1,609.44	XPP 15030*													
XPP 15050	AVAIL: XPP Ion Gauges Ready for Install	0	116		0.00	XPP 15040*													
XPP 15068	Inspect/Test Procured Parts - XPP VAT Valve	10	86	SL_AT	2,414.16	XPP 15066*													
XPP 15069	AVAIL: XPP VAT Valve Ready for Install	0	86		0.00	XPP 15068*													
XPP 15160	Inspect/Test Procured Parts - XPP Vac Pumping EQ	10	116	SL_AT	8,047.20	XPP 15150*													
XPP 15170	AVAIL: XPP Pumping EQ Ready for Install	0	116		0.00	XPP 15160*													
XPP 15220	Inspect/Test Procured Parts - XPP Misc Vacuum EQ	10	116	SL_AT	804.72	XPP 15210*													
XPP 15230	AVAIL: XPP Misc Vac EQ Hdwr Ready for Install	0	116		0.00	XPP 15220*													
<b>1.2.07.02.01 XPP Spools &amp; Bellows</b>																			
<b>02 Design / Engineering</b>																			
<b>9110275 Design &amp; Engr - XPP Spools &amp; Bellows</b>																			
XPP 08860	Generate Layouts - XPP Spools	20	229	SL_MDD, SL_MEE	5,754.20	XPP 08600*													
XPP 08870	Generate Layouts - XPP Bellows	20	229	SL_MDD, SL_MEE	5,754.20	XPP 08600*													
XPP 12000	Generate Detail Drawings - XPP Spools & Bellows	20	229	SL_MDD	10,356.00	XPP 08860*, XPP 08870*													
XPP 12005	Check & Release Dwgs - XPP Spools/Bellows	10	229	SL_ME	7,840.80	XPP 12000*													
XPP 12010	COMP: Detail Dwgs - XPP Spools & Bellows	0	229		0.00	XPP 12005*													
<b>03 Procurement</b>																			
<b>9110276 Procurement - XPP Spools &amp; Bellows</b>																			
XPP 15600	START: Procurement - XPP Bellows & Spools	0	119		0.00	PM300105*, XPP 12010													
XPP 15610	Procurement Preps - XPP Spools	30	121		0.00	XPP 15600*													
XPP 15620	AWARD: PO - XPP Vacuum Spools	1	121	AWARD	14,911.20	PM003000, XPP 15610*													
XPP 15630	Vendor Fab - XPP Spools	60	121	SL_MSEG	14,911.20	XPP 15620*													
XPP 15640	RCV: XPP Spools	0	121		0.00	XPP 15630*													
XPP 15680	Procurement Preps - XPP Bellows	30	119		0.00	XPP 15600*													
XPP 15690	AWARD: PO - XPP Bellows	1	119	AWARD	8,523.80	PM003000, XPP 15680*													
XPP 15700	Vendor Fab - XPP Bellows	60	119	SL_MSEG	8,523.80	XPP 15690*													
XPP 15710	RCV: XPP All Bellows Receive Parts	0	119		0.00	XPP 15700*													
<b>06 Testing</b>																			
<b>9110277 Testing - XPP Spools &amp; Bellows</b>																			
XPP 15660	Vacuum Process - Spool	5	121	SL_AT	8,047.20	XPP 15640*													

Activity ID	Activity Description	Orig Dur	Total Float	Resource ID	Budgeted Cost	Predecessors	FY08		FY09		FY10		FY11		FY12	
XPP 15670	AVAIL: XPP Vacuum Spools Ready for Install	0	121		0.00	XPP 15660*										
XPP 15720	Inspect/Test Procured Parts - XPP Bellows	2	119	SL_AT	804.72	XPP 15710*										
XPP 15730	Clean Fire - XPP Bellows	5	119	SL_MSEG	3,270.00	XPP 15720*										
XPP 15790	AVAIL: XPP Vacuum Bellows Ready for Install	0	119		0.00	XPP 15730*										
<b>1.2.07.02.02 XPP Vacuum Supports</b>																
<b>03 Procurement</b>																
<b>9110278 Procurement - XPP Vacuum Supports</b>																
XPP 16270	Procurement Preps - XPP Vacuum Supports	30	113		0.00	PM300105*, XPP 08600										
XPP 16280	AWARD: XPP Vacuum Supports	1	113	AWARD	4,905.00	PM003000, XPP 16270*										
XPP 16290	Vendor Fab - XPP Vacuum Supports	60	113	SL_MSEQ	4,905.00	XPP 16280*										
XPP 16300	RCV: XPP Vacuum Supports	0	113		0.00	XPP 16290*										
<b>06 Testing</b>																
<b>9110279 Testing - XPP Vacuum Supports</b>																
XPP 16310	Inspect/Test Procured Parts - XPP Vacuum Supts	5	113	SL_AT	2,011.80	XPP 16300*										
XPP 16320	Assemble - XPP Vacuum Supports	8	113	SL_AT	2,011.80	XPP 16310*										
XPP 16340	AVAIL: XPP Vacuum Supt Ready for Install	0	113		0.00	XPP 16320*										
<b>1.2.08.01 XPP Installation</b>																
<b>02 Design / Engineering</b>																
<b>9110281 Design &amp; Engr - XPP Installation</b>																
XPP1281000	Pre-Installation Planning and Coordination	108	103	SL_ME	13,068.00	XPP 01040										
XPP1281020	START: XPP Installation	0	103		0.00	XPP1281000*										
XPP1281030	Engineering Oversight - Installation	260	103	SL_ME, SL_MD	32,945.29	XPP1281000*, XPP1281020*										
XPP1281060	Generate Installation Procedures/Checklists	20	103	SL_ME	8,712.00	XPP1281020*, XPP1281030*										
XPP1281070	Installation Status Review	5	103		0.00	XPP1281060*										
<b>07 Installation</b>																
<b>9110282 XPP Installation</b>																
XPP1281010	REQD: LCLS NEH Beneficial Occupancy	0	359		0.00											
XPP1281075	REQD: All Utilities/Electrical Hardware	0	141		0.00	XPP 08516*, XPP1281020										
XPP1282000	Prep for and Establish Hutch Alignment System	20	103	SL_MES	16,550.00	XPP1281070*										
XPP1282010	Locate and Mark XPP Support Anchor Locations	10	103	SL_MES	9,930.00	XPP1282000*										
XPP1282020	Prep for and Install Overhead Utility Supports	5	103	SL_AT	3,868.80	XPP1281010, XPP1281075, XPP1282010*										
XPP1282030	Prep for and Install Overhead Cabletrays	10	103	SL_AT	7,737.60	XPP1282020*										
XPP1282040	Prep for and Install Overhead Fluid-Gas Supplies	5	103	SL_AT	3,868.80	XPP1282030*										
XPP1282050	Prep for and Instl Overhead Pwr-Data-Fluid Lines	10	103	SL_AT, SL_CT	12,840.80	XPP1282040*										

Activity ID	Activity Description	Orig Dur	Total Float	Resource ID	Budgeted Cost	Predecessors	FY08				FY09				FY10				FY11				FY12			
							FY08				FY09				FY10				FY11				FY12			
XPP1282060	REQD: Controls Cables and Racks	0	155		0.00	CD 01260*, XPP1281020																				
XPP1282070	Prep for and Install Controls Racks	5	103	SL_AT, SL_CT	6,677.20	XPP1282050*, XPP1282060																				
XPP1282080	Prep for and Install Floor Level Utility Supts	5	103	SL_AT	4,023.60	XPP1282070*																				
XPP1282090	Prep for and Install Floor Level Cabletrays	10	103	SL_AT	8,047.20	XPP1282080*																				
XPP1282100	Prep for and Instl Floor Fluid-Gas Supplies	5	103	SL_AT	4,023.60	XPP1282090*																				
XPP1282110	Prep for and Instl Floor Pwr-Data-Fluid Lines	10	103	SL_CT, SL_AT	13,354.40	XPP1282100*																				
XPP1282120	Prep for and Install Rail Floor / Railings	10	103	SL_AT	8,047.20	XPP1282110*																				
XPP1283000	Prep for, Drill & Install Hutch Supt Flr Plates	10	103	SL_AT	8,047.20	XPP1282120*																				
XPP1283010	Prep for and Align Floor Plates	10	103	SL_MES	6,884.80	XPP1283000*																				
XPP1283020	REQD: Table/Supts/Shieldng/Diag Girdr/Optcs	0	186		0.00	XPP1221530*, XPP1222540																				
XPP1283030	Rig / Transport Supports to Hutch	15	103	SL_MSEG, SL_AT	14,250.80	XPP1283010*, XPP1283020																				
XPP1283040	Prep for, Install and Align Supports	15	103	SL_AT	12,070.80	XPP1283030*																				
XPP1283050	REQD: Detector Mover & Diffractometer Sys	0	75		0.00	CD 04500, CD 04520, XPP 23330*																				
XPP1283060	Prep for and Install Detector Motion	10	75	SL_AT	8,047.20	XPP1283040, XPP1283050*																				
XPP1283070	Prep for and Install Diffractometer Sample Mount	10	75	SL_AT	8,047.20	CD 04500, CD 04520, XPP1283050, XPP1283060*																				
XPP1283080	REQD: CD-4a Diagnostics & Common Optics	0	84		0.00	DI 02120, DI 02860*, DI 03600, DI 12445																				
XPP1283090	REQD: XPP Beamline Components for Installation	0	86		0.00	XPP 01080, XPP 08970, XPP 15050, XPP 15069*, XPP 15170, XPP 15230,																				
XPP1283100	Prep for and Install Beamline Components	15	75	SL_AT	12,070.80	XPP1283070*, XPP1283080, XPP1283090																				
XPP1283120	Install Component Specific Pwr-Data-Fluid Lines	10	75	SL_CT, SL_AT	6,677.20	XPP1283100*																				
XPP1283140	Interconnect & Test Pwr-Data-Fluid Lines	10	75	SL_CT, SL_AT	9,330.80	XPP1283120*, XPP1285000																				
XPP1283150	Perform Beamline Fine Alignment	10	75	SL_MES	6,884.80	XPP1283140*																				
XPP1284000	Prep for, Drill & Install Hutch Supt Flr Plates	10	133	SL_AT	8,047.20	XPP1283000*																				
XPP1284010	Prep for and Align Floor Plates	10	133	SL_MES	6,884.80	XPP1284000*																				
XPP1284020	Install Laser Transport to Hutch	10	133	SL_AT	8,047.20	XPP1284010*																				
XPP1284030	REQD: Laser Containment Sys/Lsr Opt Table	0	106		0.00	XPP 04485*, XPP 05060, XPP 05180*																				
XPP1284040	Rig / Transport Optical Tables to Hutch	10	106	SL_AT	8,047.20	XPP1284020, XPP1284030*																				
XPP1284050	Prep for, Install and Align Optics Tables	10	106	SL_AT	8,047.20	XPP1284040*																				
XPP1284060	Install Optical Equipment	15	106	SL_AT	12,070.80	XPP1284050*																				
XPP1284070	Install Laser Safety System	5	106	SL_AT	8,047.20	XPP1284060*																				
XPP1285000	REQD: Controls Hardware and Software	0	90		0.00	CD 01220, CD 01380, CD 01400, CD 01520, CD 01540, CD 01660, CD 01680,																				
XPP1285020	REQD: Optics/OptoMechanical EQ	0	86		0.00	XPP 03790*																				
XPP1285030	REQD: Laser Diagnostic System EQ Ready to Instl	0	146		0.00	XPP 03455, XPP 04365*																				

