

Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	Budgeted Total Cost	Pre	Timeline											
								2023-10-01	2024-10-01	2025-10-01	2026-10-01	2027-10-01	2028-10-01						
Linac Intensity Upgrade Phase II (LIUP2) - Baseline 20220909																			
14.01 Project Management																			
14.02 RF Modifications																			
PPM1087	Finalize specs - RF Bank Capacitors and components	10	0%	02-Oct-23	16-Oct-23	\$7,995.00	M	Finalize specs - RF Bank Capacitors and components											
PPM1142	Finalize specs - RF Power Supplies and components (includes LLRF electronics)	10	0%	02-Oct-23	16-Oct-23	\$10,660.00	M	Finalize specs - RF Power Supplies and components (includes LLRF electronics)											
PPM1200	Develop Spec & SOW for Procurement - Split Collars and Components	20	0%	02-Oct-23	30-Oct-23	\$2,665.00	M	Develop Spec & SOW for Procurement - Split Collars and Components											
PPM1100	Develop SOW for Procurement - RF Bank Capacitors and Components	20	0%	17-Oct-23	14-Nov-23	\$2,665.00	PI	Develop SOW for Procurement - RF Bank Capacitors and Components											
PPM1150	Develop SOW for Procurement - RF Power Supplies & LLRF	60	0%	17-Oct-23	16-Jan-24	\$4,264.00	PI	Develop SOW for Procurement - RF Power Supplies & LLRF											
PPM1210	Milestone: Start Procurement Process - PPM Pins Requisition	0	0%	30-Oct-23	30-Oct-23	\$0.00	PI	Milestone: Start Procurement Process - PPM Pins Requisition											
PPM1220	PPM - Procurement Effort - Split Collars and Components	10	0%	31-Oct-23	14-Nov-23	\$0.00	PI	PPM - Procurement Effort - Split Collars and Components											
PPM1110	Milestone: Start Procurement Process - PPM Pins Requisition	0	0%	14-Nov-23	14-Nov-23	\$0.00	PI	Milestone: Start Procurement Process - PPM Pins Requisition											
PPM1120	PPM - Procurement Effort - RF Bank Capacitors and Components	77	0%	15-Nov-23	08-Mar-24	\$0.00	PI	PPM - Procurement Effort - RF Bank Capacitors and Components											
PPM1230	OBLIGATION: Milestone: Contract Award / PO Issued to Material Vendor	1	0%	15-Nov-23	15-Nov-23	\$21,815.14	PI	OBLIGATION: Milestone: Contract Award / PO Issued to Material Vendor											
LN_20600	Vendor Deliver Material for Split Collars and Springs	60	0%	16-Nov-23	14-Feb-24	\$0.00	PI	Vendor Deliver Material for Split Collars and Springs											
PPM1160	Milestone: Start Procurement Process - PPM Pins Requisition	0	0%	16-Jan-24	16-Jan-24	\$0.00	PI	Milestone: Start Procurement Process - PPM Pins Requisition											
PPM1170	PPM - Procurement Effort - RF Power Supplies & LLRF (RFQ)	77	0%	17-Jan-24	03-May-24	\$0.00	PI	PPM - Procurement Effort - RF Power Supplies & LLRF (RFQ)											
LN_20825	BNL Fabricate Split Collars	60	0%	15-Feb-24	09-May-24	\$309,849.67	LH	BNL Fabricate Split Collars											
PPM1130	OBLIGATION: Milestone: Contract Award / PO Issued to Material Vendor	1	0%	11-Mar-24	11-Mar-24	\$235,799.42	PI	OBLIGATION: Milestone: Contract Award / PO Issued to Material Vendor											
LN_20100	Vendor Fabricate & Deliver - RF Bank Capacitors and components	140	0%	12-Mar-24	26-Sep-24	\$0.00	PI	Vendor Fabricate & Deliver - RF Bank Capacitors and components											
PPM1180	OBLIGATION: Milestone: Contract Award / PO Issued to Material Vendor	5	0%	06-May-24	10-May-24	\$769,047.11	PI	OBLIGATION: Milestone: Contract Award / PO Issued to Material Vendor											
LN_20000	Off site project Testing Complete - Split Collar & RF Modification	66	0%	10-May-24	13-Aug-24	\$0.00	LH	Off site project Testing Complete - Split Collar & RF Modification											
LN_20200	Vendor Fabricate & Delivery #6, #8 & #9 RF Power Supplies and components (includes LLRF electronics)	160	0%	13-May-24	02-Jan-25	\$0.00	PI	Vendor Fabricate & Delivery #6, #8 & #9 RF Power Supplies and components (includes LLRF electronics)											
LN_20650	** Open Tanks #4, #5	20	0%	01-Jul-24	29-Jul-24	\$2,012.59	LH	** Open Tanks #4, #5											
LN_20700	Pre-survey drift Tanks #4, #5	20	0%	30-Jul-24	26-Aug-24	\$3,018.89	LH	Pre-survey drift Tanks #4, #5											
LN_20750	** Remove existing collars, Prepare and install new collars on stem - Tanks #4, #5	30	0%	27-Aug-24	08-Oct-24	\$22,293.46	LH	** Remove existing collars, Prepare and install new collars on stem - Tanks #4, #5											
LN_20800	Survey and adjust drift tubes - Tanks #4, #5	10	0%	18-Sep-24	01-Oct-24	\$6,058.90	LH	Survey and adjust drift tubes - Tanks #4, #5											
LN_20850	Re-establish vacuum - all tanks (Vacuum pump down and leak test) - Tanks #4, #5	25	0%	09-Oct-24	14-Nov-24	\$6,249.09	LH	Re-establish vacuum - all tanks (Vacuum pump down and leak test) - Tanks #4, #5											
LN_20900	** Test modified RF System	25	0%	15-Nov-24	23-Dec-24	\$0.00	LH	** Test modified RF System											
LN_50570	** Open Tanks #8	20	0%	01-Jul-25	29-Jul-25	\$2,083.03	LH	** Open Tanks #8											
LN_50580	Pre-survey drift Tanks #8 - Confirm Order #8 & Deliver Components	20	0%	30-Jul-25	26-Aug-25	\$3,124.55	LH	Pre-survey drift Tanks #8 - Confirm Order #8 & Deliver Components											
LN_50590	** Remove existing collars, Prepare and install new collars on stem - Tank #8	20	0%	27-Aug-25	24-Sep-25	\$22,913.33	LH	** Remove existing collars, Prepare and install new collars on stem - Tank #8											
LN_50600	Survey and adjust drift tubes - Tanks #8	10	0%	18-Sep-25	01-Oct-25	\$6,270.96	LH	Survey and adjust drift tubes - Tanks #8											
LN_50610	Re-establish vacuum - all tanks (Vacuum pump down and leak test) - Tanks #8	25	0%	09-Oct-25	14-Nov-25	\$6,467.81	LH	Re-establish vacuum - all tanks (Vacuum pump down and leak test) - Tanks #8											
LN_50670	** Test modified RF System	25	0%	17-Nov-25	23-Dec-25	\$0.00	LH	** Test modified RF System											
LN_20250	Milestone: Acceptance testing complete - RF Power Supplies and Capacitance Banks	0	0%	01-Jul-26	01-Jul-26	\$0.00	LH	Milestone: Acceptance testing complete - RF Power Supplies and Capacitance Banks											
LN_20300	** Install and Test RF Power Supplies, LLRF Electronics, and Cathode Current Monitor	25	0%	01-Jul-26	05-Aug-26	\$112,755.45	LH	** Install and Test RF Power Supplies, LLRF Electronics, and Cathode Current Monitor											
LN_20350	** Install and Test RF Bank Capacitors	25	0%	01-Jul-26	05-Aug-26	\$17,247.49	LH	** Install and Test RF Bank Capacitors											
LN_20400	Finalize wiring/hookup for RF Power Supplies and Cap Banks	10	0%	06-Aug-26	19-Aug-26	\$0.00	LH	Finalize wiring/hookup for RF Power Supplies and Cap Banks											
LN_20450	Testing - RF Power Supplies and Cap Banks	25	0%	20-Aug-26	24-Sep-26	\$24,925.83	LH	Testing - RF Power Supplies and Cap Banks											
LN_50680	** Test modified RF System Complete	0	0%	24-Sep-26	24-Sep-26	\$0.00	LH	** Test modified RF System Complete											
LN_20500	Milestone: RF Power Supplies and Cap Banks Installation Complete	0	0%	25-Sep-26	25-Sep-26	\$0.00	LH	Milestone: RF Power Supplies and Cap Banks Installation Complete											
LN_20950	Milestone: RF Modifications complete	0	0%	25-Sep-26	25-Sep-26	\$0.00	LH	Milestone: RF Modifications complete											
14.03 Quadrupole Power Supplies																			
14.04 Controls																			
14.05 Beam Instrumentation (New WBS)																			

█ Remaining Level of Effort █ Primary Ba...
█ Actual Level of Effort █ Actual Work