

ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors	Half 1, 2024			Half 2, 2024			Half 1, 2025			Half 2, 2025			Half 1, 2026			Half 2, 2026			Half 1, 2027			Half 2, 2027			Half 1, 2028			Half 2, 2028			Half 1
							J	M	M	J	S	N	J	M	M	J	S	N	J	M	M	J	S	N	J	M	M	J	S	N	J	M	M	J	S	N	J
1	→	K-Long Design, Fabrication and Installation	921 days	Mon 4/22/24	Wed 12/29/27																																
2	→	KPT Design	150 days	Wed 6/19/24	Thu 1/30/25																																
3	→	Beryllium Target/Absorber updated drawings	5 days	Wed 6/19/24	Tue 6/25/24	56																															
4	→	Target Shielding final drawings	10 days	Wed 6/26/24	Wed 7/10/24	3																															
5	→	Beamline final drawings	10 days	Thu 7/11/24	Wed 7/24/24	4																															
6	→	Frame/rails system final drawings	10 days	Thu 7/25/24	Wed 8/7/24	5																															
7	→	Shield Wall Final drawings	10 days	Thu 8/8/24	Wed 8/21/24	6																															
8	→	Beryllium and Tungsten cooling plates final drawings	5 days	Thu 8/22/24	Wed 8/28/24	7																															
9	→	Profiler Final Design	20 days	Fri 9/27/24	Thu 10/24/24	168,169,59																															
10	→	Active collimator final design	20 days	Fri 10/25/24	Thu 11/21/24	9																															
11	→	Cooling system final drawings/control specs	20 days	Fri 11/22/24	Mon 12/23/24	10																															
12	→	Final Installation Drawings	20 days	Thu 1/2/25	Thu 1/30/25	11																															
13	→	KPT Procurements	180 days	Wed 6/26/24	Thu 3/20/25																																
14	→	Beryllium Target	90 days	Wed 6/26/24	Thu 10/31/24	3																															
15	→	Beryllium target cooling/containment shroud	90 days	Thu 8/29/24	Wed 1/15/25	8																															
16	→	Support Structure	150 days	Thu 8/8/24	Thu 3/20/25	6																															
17	→	Rail system/rollers	120 days	Thu 8/8/24	Thu 2/6/25	6																															
18	→	Tungsten Absorber	120 days	Wed 6/26/24	Mon 12/16/24	3																															
19	→	Absorber cooling plates	90 days	Thu 8/29/24	Wed 1/15/25	8																															
20	→	Target lead shielding	150 days	Thu 7/11/24	Thu 2/20/25	4																															
21	→	Target Borated Poly Shielding	120 days	Thu 7/11/24	Wed 1/8/25	4																															
22	→	Aluminum filler tubes	60 days	Thu 7/11/24	Thu 10/3/24	4																															
23	→	Concrete shield walls	40 days	Thu 8/22/24	Thu 10/17/24	7																															
24	→	Lead Shield walls	120 days	Thu 8/22/24	Thu 2/20/25	7																															
25	→	Vacuum Beamline components and support	120 days	Thu 7/25/24	Thu 1/23/25	5																															
26	→	PLC components	45 days	Thu 1/16/25	Thu 3/20/25	15																															
27	→	Lead Shield Wall Supports	140 days	Thu 8/22/24	Thu 3/20/25	7																															
28	→	Cooling system components	40 days	Thu 1/2/25	Thu 2/27/25	11																															
29	→	KPT Installation	122 days	Fri 5/22/26	Thu 11/12/26	13																															
30	→	Remove equipment from Collimator	26 days	Fri 5/22/26	Mon 6/29/26																																
31	→	Perform Shut down of existing equipment	8 days	Fri 5/22/26	Wed 6/3/26	166																															
32	→	Bleed up Vacuum and remove pumps	3 days	Thu 6/4/26	Mon 6/8/26	31																															
33	→	Remove Collimator/Profiler	3 days	Tue 6/9/26	Thu 6/11/26	32																															
34	→	Remove permanent magnet and move to	2 days	Fri 6/12/26	Mon 6/15/26	33																															
35	→	Remove 2ndary Collimator	2 days	Tue 6/16/26	Wed 6/17/26	34																															
36	→	Remove sweep magnet	2 days	Thu 6/18/26	Fri 6/19/26	35																															
37	→	Remove Polarimeter	2 days	Mon 6/22/26	Tue 6/23/26	36																															
38	→	Remove beamline and stands	2 days	Wed 6/24/26	Thu 6/25/26	37																															
39	→	Remove/reposition Cable trays/wiring	2 days	Fri 6/26/26	Mon 6/29/26	38																															



Project: K-Long Design, Fab an Date: Fri 5/3/24

Task		Project Summary		Manual Task		Start-only		Deadline	
Split		Inactive Task		Duration-only		Finish-only		Progress	
Milestone		Inactive Milestone		Manual Summary Rollup		External Tasks		Manual Progress	
Summary		Inactive Summary		Manual Summary		External Milestone			

