

ID	Task Mode	Task Name	Duration	Start	Finish	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		
						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
69		CPS Assembly drawings	25 days	Thu 3/20/25	Wed 4/23/25																														Keith H.[50%],Tim[12%],Stephanie[30%]
70		CPS Assembly Procedure	30 days	Thu 4/24/25	Thu 6/5/25																													Keith H.[5%],Tim[20%],Stephanie[5%],Josh[10%]	
71		Final Beamline drawings	25 days	Fri 4/11/25	Thu 5/15/25																													Stephanie[80%],Tim[5%],Josh[10%]	
72		Define control system	20 days	Fri 5/16/25	Fri 6/13/25																													Josh[50%]	
73		Final Installation drawings	30 days	Thu 4/24/25	Thu 6/5/25																													Keith H.[50%],Stephanie[20%],Josh[20%]	
74		ERR write ups	42 days	Mon 4/22/24	Thu 6/20/24																													Tim[25%]	
75		CPS Procurements	479 days	Mon 4/22/24	Wed 4/1/26																														
76		Copper Absorber	90 days	Tue 10/1/24	Tue 2/18/25																													Tim[5%]	
77		Cu/W shielding	90 days	Thu 3/20/25	Tue 7/29/25																													Tim[5%]	
78		Magnet	300 days	Wed 7/3/24	Thu 9/18/25																													Tim[2%],Josh[10%]	
79		Lead shielding shapes	120 days	Thu 3/20/25	Wed 9/10/25																													Tim[5%]	
80		Steel support plates	90 days	Wed 1/8/25	Wed 5/14/25																													Tim[5%]	
81		Alignment cartridges	90 days	Wed 1/8/25	Wed 5/14/25																													Tim[5%]	
82		Support structure	150 days	Fri 9/27/24	Thu 5/8/25																													Josh[5%]	
83		steel shielding	90 days	Thu 3/20/25	Tue 7/29/25																													Tim[5%]	
84		Heavy Concrete shielding	150 days	Thu 3/20/25	Wed 10/22/25																													Tim[5%]	
85		Borated Poly shielding	75 days	Thu 3/20/25	Tue 7/8/25																													Tim[5%]	
86		Beamline vacuum components	100 days	Fri 5/16/25	Thu 10/9/25																													Josh[5%]	
87		Radiator components	125 days	Fri 4/11/25	Thu 10/9/25																													Josh[5%]	
88		Magnet Power supply	250 days	Mon 4/22/24	Thu 4/24/25																													Josh[5%]	
89		Cooling System components	105 days	Fri 6/6/25	Wed 11/5/25																													Josh[5%]	
90		Nitrogen system components	105 days	Fri 6/6/25	Wed 11/5/25																													Josh[5%]	
91		Controls instrumentation	200 days	Fri 6/6/25	Wed 4/1/26																													Josh[5%]	
92		Downstream shielding support structure	120 days	Fri 9/27/24	Thu 3/27/25																													Josh[5%]	
93		CPS Installation	139 days	Wed 10/21/26	Mon 5/17/27																														
94		Remove existing equipment from Tagger area	24 days	Wed 10/21/26	Mon 11/23/26																														
95		Remove Shielding blocks at entrance	8 days	Wed 10/21/26	Fri 10/30/26																													Josh[10%],Tech 1,Tech 2,Tech 3,Tech 4	
96		Bleed up vacuum downstream of Goniometer	2 days	Mon 11/2/26	Tue 11/3/26																													Josh[10%],Tech 1,Tech 2,Tech 3	
97		Remove Microscope	2 days	Wed 11/4/26	Thu 11/5/26																													Josh[10%],Tech 1,Tech 2,Tech 3,Tech 4	
98		Remove Hodoscope	2 days	Fri 11/6/26	Mon 11/9/26																													Josh[10%],Tech 1,Tech 2,Tech 3,Tech 4	
99		Remove racks	2 days	Tue 11/10/26	Wed 11/11/26																													Josh[10%],Tech 1,Tech 2,Tech 3,Tech 4	
100		Remove shielding blocks	2 days	Thu 11/12/26	Fri 11/13/26																													Josh[10%],Tech 1,Tech 2,Tech 3,Tech 4	
101		Remove beamline DS of Tagger vacuum chamber	3 days	Mon 11/16/26	Wed 11/18/26																													Josh[10%],Tech 1,Tech 2,Tech 3	
102		Remove Permanent magnet and stands	3 days	Thu 11/19/26	Mon 11/23/26																													Josh[10%],Tech 1,Tech 2,Tech 3,Tech 4	
103		Install CPS	115 days	Tue 11/24/26	Mon 5/17/27																														

Project: K-Long Design, Fab an Date: Wed 5/29/24

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			

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						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
104	➔	Clean and seal floor	4 days	Tue 11/24/26	Tue 12/1/26																													Josh[20%],Tech 1,Tech 2,Tech 3,Stephanie[15%]
105	➔	Bring support base to staging	5 days	Wed 12/2/26	Tue 12/8/26																													Josh[20%],Tech 1,Tech 2,Tech 3,Stephanie[15%],Tech 4
106	➔	Test moving system	3 days	Wed 12/9/26	Fri 12/11/26																													Josh[20%],Tech 1,Tech 2,Tech 3,Stephanie[15%],Tech 4
107	➔	Install Alignment cartridges	1 day	Mon 12/14/26	Mon 12/14/26																													Josh[20%],Tech 1,Tech 2,Tech 3,Stephanie[15%]
108	➔	Install lower shielding compon	10 days	Tue 12/15/26	Thu 1/7/27																													Josh[20%],Tech 1,Tech 2,Tech 3,Stephanie[15%],Tech 4
109	➔	Install Removable section	6 days	Fri 1/8/27	Fri 1/15/27																													Josh[20%],Tech 1,Tech 2,Tech 3,Stephanie[15%],Tech 4
110	➔	Move dump diagnostic girder to position	2 days	Mon 1/18/27	Tue 1/19/27																													Josh[20%],Tech 1,Tech 2,Tech 3,Stephanie[15%],Tech 4
111	➔	Test Alignment capabilities - in and out of final position	3 days	Wed 1/20/27	Fri 1/22/27																													Josh[20%],Tech 1,Tech 2,Tech 3,Stephanie[15%],Tech 4
112	➔	Install final position location fit	2 days	Mon 1/25/27	Tue 1/26/27																													Josh[20%],Tech 1,Tech 2,Tech 3,Stephanie[15%]
113	➔	Install Magnet on support stan	1 day	Wed 1/27/27	Wed 1/27/27																													Josh[20%],Tech 1,Tech 2,Tech 3,Stephanie[15%],Tech 4
114	➔	Preliminary align magnet and absorber	2 days	Thu 1/28/27	Fri 1/29/27																													Josh[20%],Tech 1,Tech 2,Tech 3,Stephanie[15%]
115	➔	Install additional shielding	20 days	Mon 2/1/27	Fri 2/26/27																													Josh[20%],Tech 1,Tech 2,Tech 3,Stephanie[15%],Tech 4
116	➔	Move assy into final position and align	3 days	Mon 3/1/27	Wed 3/3/27																													Josh[20%],Tech 1,Tech 2,Tech 3,Stephanie[15%],Tech 4
117	➔	Install permanent magnet	4 days	Thu 3/4/27	Tue 3/9/27																													Josh[20%],Tech 1,Tech 2,Tech 3,Stephanie[15%],Tech 4
118	➔	Check Alignment	3 days	Wed 3/10/27	Fri 3/12/27																													Josh[20%],Tech 1,Tech 2,Tech 3,Stephanie[15%]
119	➔	Install Radiator and test contr	4 days	Mon 3/15/27	Thu 3/18/27																													Josh[20%],Tech 1,Tech 2,Tech 3,Stephanie[15%]
120	➔	Install Beamline and windows	4 days	Fri 3/19/27	Wed 3/24/27																													Josh[20%],Tech 1,Tech 2,Tech 3,Stephanie[15%],Tech 4
121	➔	Install remaining shielding	5 days	Thu 3/25/27	Wed 3/31/27																													Josh[20%],Tech 1,Tech 2,Tech 3,Stephanie[15%]
122	➔	Verify Alignment	2 days	Thu 4/1/27	Fri 4/2/27																													Josh[20%],Tech 1,Tech 2,Tech 3,Stephanie[15%]
123	➔	Install vacuum pumps and pump down	3 days	Mon 4/5/27	Wed 4/7/27																													Josh[20%],Tech 1,Tech 2,Tech 3,Stephanie[15%]
124	➔	Hookup electrical and water to magnet and test	4 days	Thu 4/8/27	Tue 4/13/27																													Josh[20%],Tech 1,Tech 2,Tech 3,Stephanie[15%]
125	➔	Hookup cooling water to absorber and verify	4 days	Wed 4/14/27	Mon 4/19/27																													Josh[20%],Tech 1,Tech 2,Tech 3,Stephanie[15%]
126	➔	Hookup and verify nitrogen pu	2 days	Tue 4/20/27	Wed 4/21/27																													Josh[20%],Tech 1,Tech 2,Tech 3,Stephanie[15%]
127	➔	Install/Test all controls	20 days	Tue 4/20/27	Mon 5/17/27																													Josh[50%],Tech 4[50%]
128	➔	Install Ramp Shielding blocks	7 days	Thu 4/22/27	Fri 4/30/27																													Josh[20%],Tech 1,Tech 2,Tech 3,Stephanie[15%]
129	➔	KFM Design	345 days	Tue 10/1/24	Mon 3/2/26																													
130	➔	Preliminary Beamline design	25 days	Fri 5/16/25	Mon 6/23/25																													Stephanie[90%],Josh[10%]
131	➔	Assemble FPC frame in ESB	7 days	Tue 10/1/24	Wed 10/9/24																													Tech 2,Tech 1,Tech 3,Tim[10%],Josh[10%],Stephanie[10%]
132	➔	Assemble FRI frame in ESB	7 days	Thu 10/10/24	Fri 10/18/24																													Tech 1,Tech 2,Tech 3,Tim[10%],Josh[10%],Stephanie[10%]
133	➔	Preliminary FWC support design	5 days	Tue 6/24/25	Mon 6/30/25																													Stephanie[85%],Josh[20%]
134	➔	Preliminary FVH support design	5 days	Tue 7/1/25	Wed 7/9/25																													Stephanie[85%],Josh[20%]
135	➔	Preliminary FPC support design	10 days	Thu 7/10/25	Wed 7/23/25																													Stephanie[85%],Josh[20%]
136	➔	Preliminary FRI support design	10 days	Thu 7/24/25	Wed 8/6/25																													Stephanie[85%],Josh[20%]
137	➔	Preliminary design Start Counter mods	15 days	Thu 8/7/25	Wed 8/27/25																													Stephanie[85%],Josh[10%]

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