ID	Activity #	Task Name	120Ev / Program	Start	Finish	Risk code per TWI	Risk code post	Atlis	Hot Work	OSP, IR plan	Duration	Work	Outside resources
1		anchor point		Tue 5/15/12	Tue 5/15/12						1 day?	0 hrs	
2		anchor point		Fri 5/18/12	Fri 5/18/12						0 days	0 hrs	
3		Radcon		Mon 5/21/12	Mon 5/21/12						0 days	0 hrs	
4		Radcon		Mon 5/21/12	Mon 5/21/12						0 days	0 hrs	
5		Engineering electronics or electrical		Mon 5/21/12	Mon 5/21/12						0 days	0 hrs	
6		Engineering mechanical		Mon 5/21/12	Mon 5/21/12						0 days	0 hrs	
7		Engineering Division		Mon 5/21/12	Mon 5/21/12						0 days	0 hrs	
8		Hall A techs or users		Mon 5/21/12	Mon 5/21/12						0 days	0 hrs	
9		target group		Mon 5/21/12	Mon 5/21/12						0 days	0 hrs	
10		On software		Mon 5/21/12	Mon 5/21/12						0 days	0 hrs	
11		Float		Mon 5/21/12	Mon 5/21/12						0 days	0 hrs	
12													
13													
14		Radcon Hold	Program	Fri 5/18/12	Mon 5/21/12	SOT					2 days	8 hrs	Y
15		**LSD**	**Program**	**Fri 5/18/12**	**Mon 9/16/13**						**334.5 days?**	**11,105 hrs**	
16													
17		**Compton**	**12 Gev**	**Fri 5/18/12**	**Tue 3/5/13**						**196 days?**	**1,192 hrs**	
18		fiducialize new compton detector can	12 Gev	Fri 5/18/12	Fri 5/18/12	SOT	XXX				1 day	8 hrs	Y
19	124152000	Radcon hold	12 Gev	Fri 5/18/12	Fri 5/18/12	SOT	XXX		N		1 day	8 hrs	Y
20	124152001	safety lockouts of dipoles	12 Gev	Mon 5/21/12	Mon 5/21/12	SOT	XXX				1 day	8 hrs	Y
21	124152005	lock out lasers	12 Gev	Tue 5/22/12	Tue 5/22/12	SOT	XXX				1 day	8 hrs	
22	124152010	Bleed up beam lines	12 Gev	Wed 5/23/12	Wed 5/23/12	SOT	XXX				1 day	8 hrs	
23	124152011	remove laser enclosure	12 Gev	Thu 9/6/12	Fri 9/7/12	SOT	XXX				2 days	16 hrs	Y
24	124152012	disassemble laser system	12 Gev	Mon 9/10/12	Fri 9/14/12	SOT	XXX				5 days?	40 hrs	
25	124152013	disassemble lower beam line	12 Gev	Mon 9/17/12	Thu 9/27/12	SOT	XXX				9 days?	72 hrs	Y
26	124152015	disconnect power on#2 dipole	12 Gev	Fri 9/28/12	Fri 9/28/12	SOT	XXX				1 day?	8 hrs	Y
27	124152020	disconnect power on #3 dipole	12 Gev	Mon 10/1/12	Mon 10/1/12	SOT	XXX				1 day?	8 hrs	Y
28	124152025	raise and install spacer block on #2 dipole	12 Gev	Fri 10/2/12	Thu 10/4/12						3 days	24 hrs	Y
29	124152030	raise and install spacer block on #3 dipole	12 Gev	Fri 10/5/12	Tue 10/9/12						3 days	24 hrs	Y
30	124152035	raise laser table and insert spacers	12 Gev	Wed 10/10/12	Mon 10/15/12						4 days?	64 hrs	
31	124152040	survey laser table	12 Gev	Tue 10/16/12	Tue 10/16/12	SOT	XXX				1 day?	8 hrs	Y
32	124152045	survey and align compton	12 Gev	Wed 10/17/12	Wed 10/31/12	SOT	XXX				10 days?	80 hrs	Y
33	124152050	survey and align IP dipole	12 Gev	Thu 11/1/12	Thu 11/1/12	SOT	XXX				1 day?	8 hrs	Y
34	124152055	install magnet beam lines to laser table	12 Gev	Fri 10/19/12	Thu 10/25/12	SOT	XXX				5 days	40 hrs	Y
35	124152060	install new transition beam lines and ion pumps	12 Gev	Fri 10/26/12	Thu 11/8/12	SOT	XXX				10 days	80 hrs	Y
36	124152065	re-assemble lower beam line	12 Gev	Fri 11/9/12	Mon 12/10/12	SOT	XXX				20 days	320 hrs	Y
37	124152066	install detector can	12 Gev	Tue 12/11/12	Tue 12/11/12						1 day	16 hrs	Y
38	124152067	install detectors	12 Gev	Wed 12/12/12	Wed 12/19/12						6 days	48 hrs	Y
39	124152070	pump down beam lines and leak check	12 Gev	Thu 12/20/12	Fri 12/21/12	SOT	XXX				2 days?	16 hrs	
40	124152074	survey laser lines	12 Gev	Wed 1/9/13	Mon 1/21/13	SOT	XXX				4 days	32 hrs	Y
41	124152076	Survey detector can and detectors	12 Gev	Tue 1/8/13	Tue 1/8/13	SOT	XXX				1 day?	8 hrs	Y
42	124152077	install beam diagnostics instrumentation	12 Gev	Wed 1/9/13	Wed 1/9/13	SOT	XXX				1 day?	8 hrs	Y
43	124152080	bake beam lines and pump	12 Gev	Thu 1/10/13	Wed 1/23/13	SOT	XXX				10 days?	80 hrs	Y
44	124152085	reconnect magnet power	12 Gev	Thu 1/24/13	Thu 1/24/13	SOT	XXX				1 day	8 hrs	Y
45	124152090	remove lockouts	12 Gev	Fri 1/25/13	Fri 1/25/13	SOT	XXX				1 day?	8 hrs	Y
46	124152095	ops check magnets	12 Gev	Mon 1/28/13	Mon 1/28/13	SOT	XXX				1 day?	8 hrs	Y
47	124152100	re-assemble laser system	12 Gev	Tue 1/29/13	Mon 2/11/13	SOT	XXX				10 days?	80 hrs	
48	124152105	reinstall laser enclosure	12 Gev	Tue 2/12/13	Thu 2/14/13	SOT	XXX				3 days?	24 hrs	Y
49	124152110	laser safety review	12 Gev	Fri 2/15/13	Fri 2/15/13	SOT	XXX				1 day?	8 hrs	Y
50	124152115	remove laser lockouts	12 Gev	Mon 2/18/13	Mon 2/18/13	SOT	XXX				1 day?	8 hrs	
51	124152120	align and ops check laser system	12 Gev	Tue 2/19/13	Mon 3/4/13	SOT	XXX				10 days?	80 hrs	Y
52	124152121	align and ops check IP magnets	12 Gev	Tue 2/19/13	Tue 2/19/13	SOT	XXX				1 day?	8 hrs	Y
53													
54		**remove G2P**	**Program**	**Tue 5/29/12**	**Tue 7/31/12**						**44.5 days?**	**368 hrs**	
55		**upside down girder**	**Program**	**Tue 5/29/12**	**Wed 6/20/12**						**16.5 days?**	**144 hrs**	
56	124121100	Radcon clearance for water, beam line and transport	Program	Tue 5/29/12	Tue 5/29/12	SOT	XXX		N		1 day?	4 hrs	Y
57	124121105	lock out power supplies	Program	Tue 5/29/12	Tue 5/29/12	SOT	XXX		N		0.5 days?	4 hrs	Y
58	124121110	disconnect power and water	Program	Wed 5/30/12	Wed 5/30/12	SOT	XXX		N		1 day	8 hrs	
59	124121111	disconnect instr.	Program	Thu 5/31/12	Thu 5/31/12	SOT	XXX				0.5 days?	4 hrs	Y
60	124121115	turn off vacuum pump and disconnect beam lines	Program	Thu 5/31/12	Fri 6/1/12	SOT	XXX		N		1 day?	8 hrs	
61	124121120	remove girder from support	Program	Fri 6/1/12	Mon 6/4/12				N		1 day?	8 hrs	
62	124121121	modify original girder for 1 quad & 1 BPM config	Program	Mon 6/4/12	Wed 6/6/12						2 days	16 hrs	
63	124121122	align girder in the new BPM	Program	Wed 6/6/12	Wed 6/6/12						1 day	8 hrs	
64	124121123	install inst. for new BPM	Program	Thu 6/7/12	Mon 6/11/12						2 days	16 hrs	Y
65	124121125	install new config girder	Program	Mon 6/11/12	Tue 6/12/12				N		1 day?	8 hrs	
66	124121126	connect instr. And power	Program	Tue 6/12/12	Tue 6/12/12						0.5 days	8 hrs	Y
67	124121130	alignment with laser	Program	Wed 6/13/12	Wed 6/13/12	SOT	XXX		N		1 day?	8 hrs	
68	124121135	connect beam lines	Program	Thu 6/14/12	Thu 6/14/12	SOT	XXX		N		1 day?	8 hrs	
69	124121140	connect water	Program	Fri 6/15/12	Fri 6/15/12	SOT	XXX		N		0.5 days	4 hrs	
70	124121145	pump down and leak check	Program	Fri 6/15/12	Mon 6/18/12	SOT	XXX		N		1 day?	8 hrs	Y
71	124121150	final alignment	Program	Tue 6/19/12	Tue 6/19/12	SOT	XXX		N		1 day?	8 hrs	
72	124121155	unlock power supplies and test magnets	Program	Tue 6/19/12	Wed 6/20/12	SOT	XXX		N		1 day?	8 hrs	Y
73													
74		**Slow raster**		**Wed 6/2... Wed 6/2...**							**5 days?**	**40 hrs**	
75	124121190000	disconnect power supplies		Wed 6/20/12	Thu 6/21/12						1 day?	8 hrs	
76	12412119005	remove fans and guards		Thu 6/21/12	Fri 6/22/12						1 day?	8 hrs	
77	12412119010	disconnect beam line and remove assembly		Fri 6/22/12	Mon 6/25/12						1 day?	8 hrs	
78	12412119015	fab and install beam pipe		Mon 6/25/12	Tue 6/26/12						1 day?	8 hrs	
79	12412119020	pump down and leak check		Tue 6/26/12	Wed 6/27/12						1 day?	8 hrs	
80													
81		**FZ1**	**Program**	**Wed 6/27/12**	**Fri 7/13/12**						**11.5 days?**	**92 hrs**	
82	124121200000	Radcon clearance for water, beam line and transport	Program	Wed 6/27/12	Wed 6/27/12	SOT	XXX		N		0.5 days	4 hrs	Y
83	124121200005	lock out power supplies	Program	Thu 6/28/12	Thu 6/28/12	SOT	XXX		N		1 day?	8 hrs	
84	124121200010	disconnect power and water	Program	Fri 6/29/12	Fri 6/29/12	SOT	XXX		N		1 day	8 hrs	
85	124121200015	remove beam lines and instrumentation	Program	Mon 7/2/12	Tue 7/3/12	SOT	XXX		N		2 days	16 hrs	
86	124121200020	remove magnet from stand and stage at door	Program	Thu 7/5/12	Thu 7/5/12				N		1 day?	8 hrs	
87	124121200025	disassemble magnet stand	Program	Fri 7/6/12	Fri 7/6/12				N		1 day	8 hrs	
88	124121200030	remove magnet stand and stage at door	Program	Mon 7/9/12	Mon 7/9/12				N		1 day?	8 hrs	
89	124121200035	disconnect AI magnet and stage at door	Program	Tue 7/10/12	Tue 7/10/12	SOT	XXX		N		1 day?	8 hrs	
90	124121200040	disconnect AC power	Program	Wed 7/11/12	Wed 7/11/12	SOT	XXX		N		1 day?	8 hrs	
91	124121200045	disconnect power supply water and power and stage at door	Program	Thu 7/12/12	Thu 7/12/12	SOT	XXX		N		1 day	8 hrs	
92	124121200050	MOVE MAGNET AND POWER SUPPLY TO STORAGE	Program	Fri 7/13/12	Fri 7/13/12				N		1 day?	8 hrs	
93													
94		**FZ2**	**Program**	**Mon 7/16/12**	**Tue 7/31/12**						**11.5 days?**	**92 hrs**	
95	124121300000	Radcon clearance for water, beam line and transport	Program	Mon 7/16/12	Mon 7/16/12	SOT	XXX		N		0.5 days?	4 hrs	Y
96	124121300005	lock out power supplies	Program	Mon 7/16/12	Tue 7/17/12	SOT	XXX		N		1 day?	8 hrs	
97	124121300010	disconnect power and water	Program	Tue 7/17/12	Wed 7/18/12	SOT	XXX		N		1 day	8 hrs	
98	124121300015	remove beam lines and instrumentation	Program	Wed 7/18/12	Fri 7/20/12	SOT	XXX		N		2 days	16 hrs	
99	124121300020	remove beam line support arms	Program	Fri 7/20/12	Mon 7/23/12				N		1 day	8 hrs	
100	124121300025	disassemble magnet stand	Program	Mon 7/23/12	Tue 7/24/12				N		1 day	8 hrs	
101	124121300030	remove magnet from stand and stage at door	Program	Tue 7/24/12	Wed 7/25/12				N		1 day?	8 hrs	
102	124121300035	remove magnet stand and stage at door	Program	Wed 7/25/12	Thu 7/26/12				N		1 day?	8 hrs	
103	124121300040	disconnect AC power	Program	Thu 7/26/12	Fri 7/27/12	SOT	XXX		N		1 day?	8 hrs	
104	124121300045	disconnect power supply water and power and stage at door	Program	Fri 7/27/12	Mon 7/30/12	SOT	XXX		N		1 day	8 hrs	
105	124121300050	MOVE MAGNET AND POWER SUPPLY TO STORAGE	Program	Mon 7/30/12	Tue 7/31/12				N		1 day?	8 hrs	
106		**install upstream beam girder**	**Program**	**Fri 5/18/12**	**Mon 9/16/13**						**334.5 days?**	**9,545 hrs**	
108	124121340000	install girder supports	Program	Tue 7/31/12	Fri 10/26/12				N		5 days?	40 hrs	
109	124121340005	align girder supports	Program	Fri 10/26/12	Mon 10/29/12	SOT	XXX		N		1 day?	8 hrs	
110	124121340010	install girder supports	Program	Mon 10/29/12	Mon 10/29/12	SOT	XXX	Y	N		1 day?	8 hrs	Y
111	124121340015	grout girder supports	Program	Tue 10/30/12	Wed 10/31/12	SOT	XXX		N		1 day?	8 hrs	
112	124121340020	set-up time	Program	Wed 10/31/12	Mon 11/5/12	SOT	XXX		N		3 days?	24 hrs	
113	124121340025	install girder	Program	Mon 11/5/12	Tue 11/6/12				N		1 day?	8 hrs	
114	124121340030	install vacuum pump	Program	Tue 11/6/12	Wed 11/7/12	SOT	XXX		N		1 day?	8 hrs	
115	124121340035	UK plate supports	Program	Wed 11/7/12	Wed 11/7/12	SOT	XXX	Y	N		1 day?	8 hrs	Y
116	124121340040	connect vacuum lines to upside down girder	Program	Thu 11/8/12	Fri 11/9/12	SOT	XXX		N		1 day?	8 hrs	
117	124121340045	reinstall BCM	Program	Fri 11/9/12	Fri 11/9/12	SOT	XXX		N		0.5 days?	4 hrs	Y
118	124121340050	connect instrumentation to BCM and Harps	Program	Mon 11/12/12	Mon 11/12/12	SOT	XXX		N		1 day	8 hrs	Y
119	124121340055	install upstream beam line and downstream vacuum valve	Program	Tue 11/13/12	Tue 11/13/12	SOT	XXX		N		1 day?	8 hrs	
120	124121340060	pump down and leak check	Program	Wed 11/14/12	Wed 11/14/12	SOT	XXX		N		1 day?	8 hrs	Y
121	124121340	UK plate supports	Program	Thu 11/15/12	Thu 11/15/12	SOT	XXX	Y	N		1 day?	8 hrs	Y
122	124121340	ops check BCM and Harps	Program	Fri 11/16/12	Fri 11/16/12	SOT	XXX		N		1 day?	8 hrs	Y
124		**Moeller**	**12 Gev**	**Mon 5/21/12**	**Thu 10/18/12**						**106 days?**	**1,092 hrs**	
125	124121410000	Radcon hold for beam line and shielding	12Gev	Mon 5/21/12	Mon 5/21/12	SOT	XXX		N		0.5 days?	4 hrs	Y
126	124121410005	lock out dipole power supply	12Gev	Tue 5/22/12	Tue 5/22/12	SOT	XXX		N		1 day?	8 hrs	
127	124121410010	lock out 3 quads power supplies	12Gev	Wed 5/23/12	Wed 5/23/12	SOT	XXX		N		1 day?	8 hrs	
128	124121410015	bleed up beam line	12Gev	Thu 5/24/12	Thu 5/24/12	SOT	XXX		N		1 day?	8 hrs	
129	124121410020	remove magnet guards	12Gev	Wed 5/23/12	Thu 5/24/12	SOT	XXX		N		2 days	16 hrs	
130	124121410025	remove shielding	12Gev	Fri 5/25/12	Wed 5/30/12	SOT	XXX		N		3 days	24 hrs	
131	124121410030	disconnect detector	12Gev	Thu 5/31/12	Thu 5/31/12	SOT	XXX		N		1 day?	16 hrs	
132	124121410035	Radcon hold	12Gev	Fri 6/1/12	Fri 6/1/12	SOT	XXX		N		0.5 days?	4 hrs	Y
133	124121410040	remove beam line	12Gev	Fri 6/1/12	Tue 6/5/12	SOT	XXX		N		2 days	16 hrs	
134	124121410045	disconnect dipole water and power	12Gev	Tue 6/5/12	Wed 6/6/12	SOT	XXX		N		1 day?	8 hrs	
135	124121410050	remove dipole	12Gev	Wed 6/6/12	Thu 6/7/12				N		1 day?	8 hrs	
136	124121410055	Radcon hold	12Gev	Thu 6/7/12	Thu 6/7/12	SOT	XXX		N		0.5 days?	4 hrs	Y
137	124121410060	remove dipole vacuum chamber and magnetic shielding	12Gev	Fri 6/8/12	Wed 6/13/12	SOT	XXX		N		4 days?	32 hrs	
138	124121410065	install new magnetic shielding and vacuum chamber	12Gev	Thu 6/14/12	Fri 6/15/12	SOT	XXX		N		2 days?	32 hrs	
139	124121410070	remove detector assembly	12Gev	Mon 6/18/12	Tue 6/19/12				N		2 days?	32 hrs	
140	124121410070a	disassemble detector assembly	12Gev	Wed 6/20/12	Wed 6/20/12						1 day?	16 hrs	
141	124121410070b	assemble new detector shielding box	12Gev	Thu 6/21/12	Thu 6/21/12						1 day?	8 hrs	
142	124121410070c	install detectors in shielding box	12Gev	Tue 6/26/12	Wed 6/27/12						2 days?	16 hrs	
143	124121410070d	align detector package and shielding box	12Gev	Tue 6/26/12	Fri 6/29/12						4 days	32 hrs	
144	124121410070e	install detector assembly	12Gev	Mon 7/2/12	Tue 7/3/12	SOT	XXX	Y	N		2 days?	16 hrs	Y
145	124121410075	modify dipole support	12Gev	Tue 7/3/12	Tue 7/3/12	SOT	XXX				1 day?	16 hrs	
146	124121410080	modify detector support	12Gev	Thu 7/5/12	Mon 7/9/12	SOT	XXX				3 days?	48 hrs	
147	124121410085	Radcon hold	12Gev	Tue 7/10/12	Tue 7/10/12	SOT	XXX		N		0.5 days?	4 hrs	Y
148	124121410090	disconnect power and water on quads	12Gev	Tue 7/10/12	Wed 7/11/12	SOT	XXX		N		2 days?	16 hrs	
149	124121410095	remove quad beam lines	12Gev	Thu 7/12/12	Fri 7/13/12	SOT	XXX		N		1.5 days?	12 hrs	
150	124121410100	remove quads and old supports	12Gev	Mon 7/16/12	Mon 7/16/12				N		1 day?	8 hrs	
151	124121410105	fiducialize Q4	12Gev	Tue 7/17/12	Tue 7/17/12				N		1 day?	8 hrs	
152	124121410107	map Q4	12Gev	Tue 7/17/12	Tue 7/17/12						1 day?	8 hrs	Y
153	124121410105	align new quad support	12Gev	Fri 7/20/12	Mon 7/23/12	SOT	XXX		N		2 days	16 hrs	Y
154	124121410110	install 4th quad power supply	12Gev	Tue 7/24/12	Wed 7/25/12	SOT	XXX	Y	N		2 days?	16 hrs	Y
155	124121410115	install new quad support	12Gev	Thu 7/26/12	Thu 7/26/12				N		1 day?	8 hrs	
156	124121410120	fab and install new quad beam lines	12Gev	Fri 7/27/12	Thu 8/2/12	SOT	XXX		N		5 days	40 hrs	
157	124121410125	align new quad support	12Gev	Fri 8/3/12	Mon 8/13/12	SOT	XXX		N		8 days?	64 hrs	Y
158	124121141	install 4th quad power supply	12Gev	Thu 8/9/12	Mon 8/13/12	SOT	XXX		N		3 days?	24 hrs	Y
159	124121141	install ac power to 4th PS	12Gev	Tue 8/14/12	Wed 8/15/12	SOT	XXX		N		2 days?	16 hrs	Y
160	124121141	install DC cables for 4th quad	12Gev	Thu 8/16/12	Mon 8/20/12	SOT	XXX		N		3 days?	48 hrs	Y
161	124121141	install control cables and card for 4th quad	12Gev	Tue 8/21/12	Wed 8/22/12	SOT	XXX		N		2 days?	16 hrs	Y
162	124121141	test software for 4th quad	12Gev	Wed 8/22/12	Wed 8/22/12	SOT	XXX		N		1 day?	8 hrs	
163	124121141	test software for 4th quad	12Gev	Wed 8/22/12	Wed 8/22/12	SOT	XXX		N		1 day?	8 hrs	
164	124121141130	install dipole	12Gev	Wed 8/29/12	Wed 8/29/12				N		1 day?	8 hrs	
165	124121141140	align dipole	12Gev	Tue 8/28/12	Tue 8/28/12	SOT	XXX	Y	N		1 day?	8 hrs	Y
166	124121141150	install detector assembly	12Gev	Tue 9/4/12	Thu 9/6/12				N		3 days?	72 hrs	
167	124121141160	install new shielding box and shielding box	12Gev	Fri 9/7/12	Wed 9/12/12	SOT	XXX	Y	N		4 days?	32 hrs	Y
168	124121141150	install new beam lines	12Gev	Tue 9/11/12	Wed 9/12/12	SOT	XXX		N		2 days?	16 hrs	
169	124121141155	pump down and leak check beam line	12Gev	Thu 9/13/12	Mon 9/17/12	SOT	XXX		N		3 days?	24 hrs	
170	124121141160	align beam line	12Gev	Tue 9/18/12	Wed 9/19/12	SOT	XXX	Y	N		2 days?	16 hrs	Y
171	124121141165	reconnect quads water and power	12Gev	Thu 9/20/12	Fri 9/21/12	SOT	XXX		N		2 days?	16 hrs	
172	124121141170	re-connect dipole water and power	12Gev	Mon 9/24/12	Tue 9/25/12	SOT	XXX		N		2 days?	16 hrs	
173	124121141175	reconnect detector	12Gev	Wed 9/26/12	Thu 9/27/12	SOT	XXX		N		2 days?	32 hrs	
174	124121141180	fabricate and install new magnet guards	12Gev	Fri 9/28/12	Thu 10/4/12	SOT	XXX		N		5 days	40 hrs	
175	124121141185	install shielding	12Gev	Fri 10/5/12	Mon 10/8/12	SOT	XXX		N		2 days?	16 hrs	
176	124121141190	unlock power supplies	12Gev	Tue 10/9/12	Tue 10/9/12	SOT	XXX		N		1 day?	8 hrs	
177	124121141195	ops check dipole and 4 Quads	12Gev	Wed 10/10/12	Wed 10/10/12	SOT	XXX		N		1 day?	16 hrs	
178	124121141200	map dipole fringe fields	12Gev	Thu 10/11/12	Fri 10/12/12	SOT	XXX		N		2 days?	32 hrs	
179	124121141205	ops check detector	12Gev	Mon 10/15/12	Thu 10/18/12	SOT	XXX		N		4 days?	32 hrs	
180													
181		**Moeller target**		**Fri 1/18/13**	**Fri 3/29/13**						**51 days?**	**404 hrs**	
182	124121140000	Radcon clearance	Program	Fri 1/18/13	Fri 1/18/13	SOT	XXX		N		0.5 days	4 hrs	Y
183	124121140005	lock out power supplies and remove guards	Program	Fri 1/18/13	Mon 1/21/13	SOT	XXX		N		1 day?	8 hrs	
184	124121142010	disconnect power cables	Program	Mon 1/21/13	Tue 1/22/13	SOT	XXX		N		1 day?	8 hrs	
185	124121142015	disconnect inst. And chambers	Program	Tue 1/22/13	Wed 1/23/13	SOT	XXX		N		1 day?	8 hrs	
186	124121142020	disconnect beam lines	Program	Wed 1/23/13	Thu 1/24/13	SOT	XXX		N		1 day?	8 hrs	
187	124121142025	disconnect target from support and remove	Program	Thu 1/24/13	Mon 1/28/13	SOT	XXX		N		2 days?	16 hrs	
188	124121142030	move Moeller to Hall	Program	Mon 1/28/13	Tue 1/29/13	SOT	XXX		N		1 day?	8 hrs	
189	124121142035	install cryogenic Moeller and secure	Program	Tue 1/29/13	Thu 1/31/13				N		2 days?	16 hrs	
190	124121142040	align with lasers	Program	Thu 1/31/13	Fri 2/1/13	SOT	XXX		N		1 day?	8 hrs	
191	124121142045	align with laser	Program	Fri 2/1/13	Fri 2/1/13	SOT	XXX		N		1 day?	8 hrs	Y
192	124121142050	reposition access platform	Program	Mon 2/4/13	Tue 2/5/13	SOT	XXX		N		1 day?	8 hrs	
193	124121142055	attach beam pipes	Program	Tue 2/5/13	Wed 2/6/13	SOT	XXX		N		1 day?	8 hrs	
194	124121142056	pump and leak check beam line		Wed 2/6/13	Thu 2/7/13						1 day?	8 hrs	
195	124121142057	align beam pipes		Fri 2/8/13	Fri 2/8/13						1 day	16 hrs	Y
196	124121142060	attach N2 system	Program	Mon 2/11/13	Wed 2/13/13	SOT	XXX		N		2 days	16 hrs	
197	124121142065	Attach warm He system	Program	Wed 2/13/13	Mon 2/18/13	SOT	XXX		N		3 days	24 hrs	
198	124121142070	install vacuum system	Program	Mon 2/18/13	Wed 2/20/13	SOT	XXX		N		2 days	16 hrs	
199	124121142075	attach power and instr. cables	Program	Wed 2/20/13	Fri 2/22/13	SOT	XXX		N		2 days	16 hrs	
200	124121142080	install cameras	Program	Fri 2/22/13	Mon 2/25/13	SOT	XXX		N		1 day?	8 hrs	
201	124121142085	install Dewar stand	Program	Mon 2/25/13	Wed 2/27/13	SOT	XXX		N		2 days	16 hrs	
202	124121142090	position Dewar	Program	Wed 2/27/13	Thu 2/28/13	SOT	XXX		N		1 day?	8 hrs	
203	124121142095	connect Dewar warm return	Program	Thu 2/28/13	Fri 3/1/13	SOT	XXX		N		1 day?	8 hrs	
204	124121142100	remove target U tubes at mirror cans	Program	Fri 3/1/13	Mon 3/4/13	SOT	XXX		N		1 day?	8 hrs	
205	124121142105	depressurize He system and install Y cans on target ports of A can	Program	Mon 3/4/13	Mon 3/4/13	SOT	XXX		N		0.5 days	4 hrs	Y
206	124121142106	depressurize He system and install Y cans on target ports of A can	Program	Tue 3/5/13	Wed 3/6/13	SOT	XXX		N		1 day	8 hrs	
207	124121142110	install U tubes from C can to Y cans on A can	Program	Wed 3/6/13	Wed 3/6/13	SOT	XXX		N		0.5 days	4 hrs	Y
208	124121142111	install U tubes from C can to Y cans on A can	Program	Thu 3/7/13	Thu 3/7/13	SOT	XXX		N		1 day	8 hrs	
209	124121142115	install U tubes in both ports of He Dewar and cap ends	Program	Fri 3/8/13	Fri 3/8/13	SOT	XXX		N		0.5 days	4 hrs	Y
210	124121142116	install U tubes in both ports of He Dewar and cap ends	Program	Fri 3/8/13	Mon 3/11/13	SOT	XXX		N		1 day	8 hrs	
211	124121142120	connect and test Dewar 2T valve controls	Program	Mon 3/11/13	Wed 3/13/13	SOT	XXX		N		2 days	16 hrs	
212	124121142125	pump and purge He Dewar and send back gas	Program	Wed 3/13/13	Thu 3/14/13	SOT	XXX		N		1 day?	8 hrs	
213	124121142130	depressurize target He and sting Dewar U tubes	Program	Thu 3/14/13	Thu 3/14/13	SOT	XXX		N		0.5 days	4 hrs	Y
214	124121142131	depressurize target He and sting Dewar U tubes	Program	Fri 3/15/13	Fri 3/15/13	SOT	XXX		N		1 day	8 hrs	
215	124121142135	cool and fill He Dewar	Program	Mon 3/18/13	Mon 3/18/13	SOT	XXX		N		1 day	8 hrs	Y
216	124121142136	cool and fill He Dewar	Program	Tue 3/19/13	Wed 3/20/13	SOT	XXX		N		2 days	16 hrs	
217	124121142140	cool and fill target LN2 system	Program	Thu 3/21/13	Fri 3/22/13	SOT	XXX		N		2 days?	16 hrs	
218	124121142145	cool Moeller target with LN2	Program	Mon 3/25/13	Tue 3/26/13	SOT	XXX		N		2 days?	16 hrs	
219	124121142150	sting Dewar to Moeller target	Program	Wed 3/27/13	Wed 3/27/13	SOT	XXX		N		1 day?	8 hrs	
220	124121142155	cool and fill Moeller target	Program	Thu 3/28/13	Fri 3/29/13	SOT	XXX		N		2 days	16 hrs	
221													
222													
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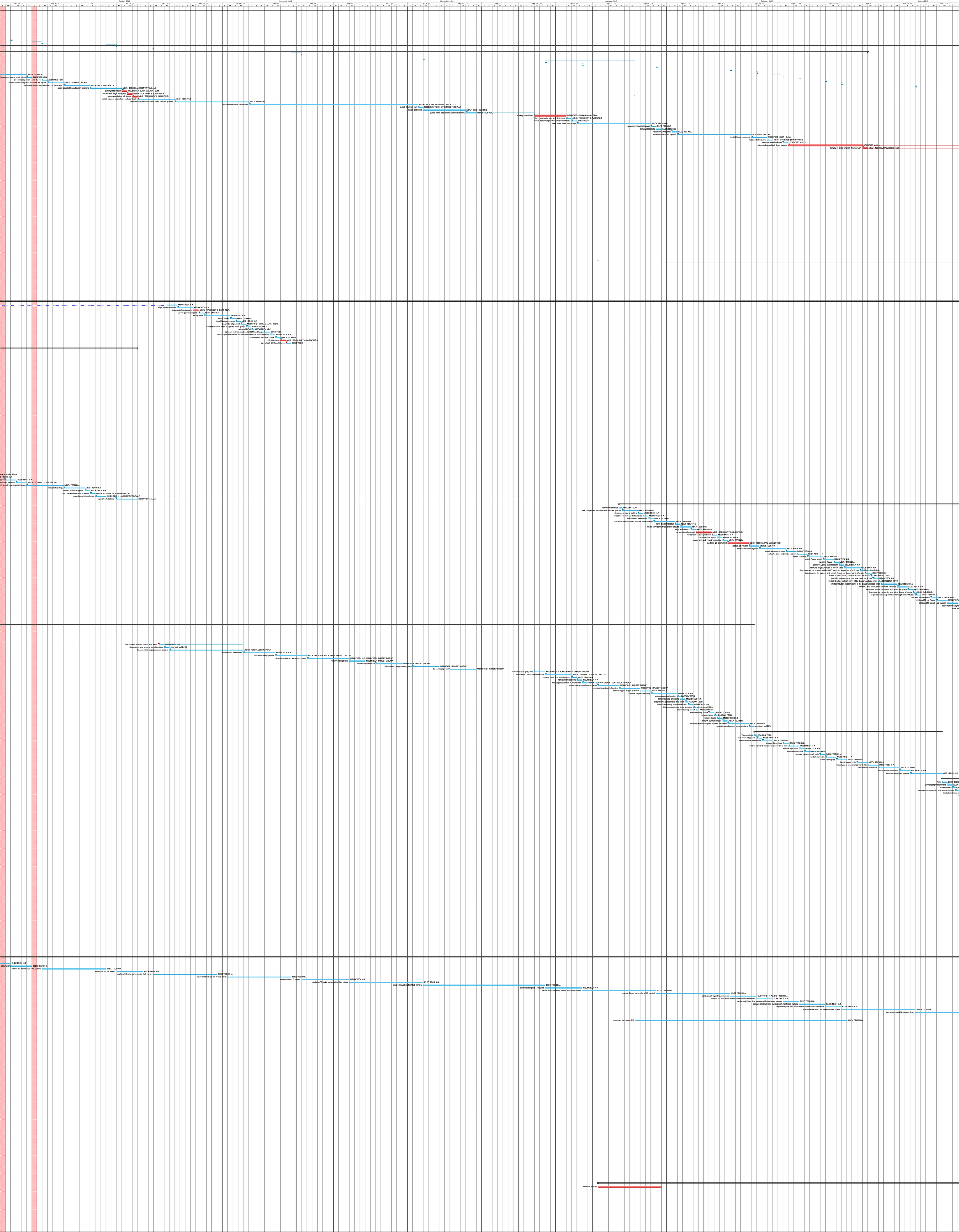
225		**target**	**Program**	**Fri 5/18/12**	**Tue 2/12/13**						**180.5 days?**	**745 hrs**	
226	124121150000	Radcon clearance	Program	Fri 5/18/12	Fri 5/18/12	SOT	XXX				0.5 days?	4 hrs	Y
227	124121150001	warm target	Program	Fri 5/18/12	Fri 5/25/12	SOT	XXX		N		5.5 days?	44 hrs	Y
228	124121150005	lock out power supplies	Program	Fri 5/18/12	Fri 5/18/12	SOT	XXX		N		0.5 days?	4 hrs	
229	124121150006	post run survey of spectrometers	Program	Mon

ID	Activity #	Task Name	12GEV / Program	Start	Finish	Risk code pre THA	Task Hazard Analysis	Risk code post	Atlis	Hot Work	OSP, lift plan	Duration	Work	Outside resources
446	124125110	visual inspection of exit BP diffuser	Program	Wed 8/7/13	Wed 8/7/13	SOT	XXX					1 day?	8 hrs	
447	124125115	Upgrade/ reinforce BB support arm and extensions	Program	Thu 8/8/13	Thu 8/8/13	SOT	XXX					1 day?	8 hrs	
448	124125120	Rework PHPK corp cans for pivot distribution	Program	Fri 8/9/13	Fri 8/9/13	SOT	XXX					1 day?	8 hrs	
449	124125125	modify and install stairs	Program	Mon 8/12/13	Mon 8/12/13	SOT	XXX					1 day?	8 hrs	
450	124125130	install local valve controller to exit beam pipe valve	Program	Tue 8/13/13	Tue 8/13/13	SOT	XXX					1 day?	8 hrs	

This schedule is managed by Ed Folts Ph # 7857 Wed 6/6/12



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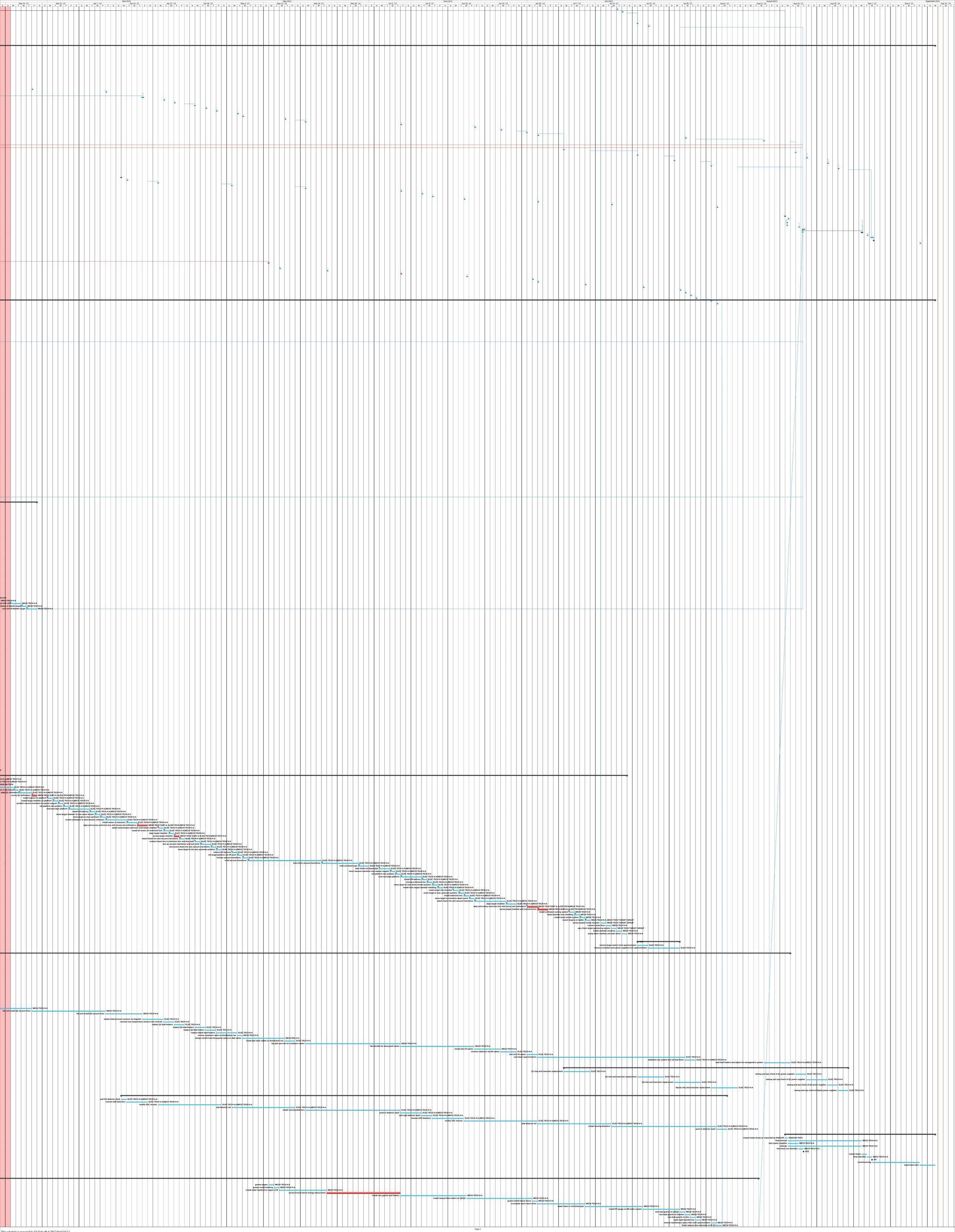

This schedule is managed by Ed Folts Ph # 7857 Wed 6/6/12

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