

Project: MACS schedule v8 Date: Tue 11/9/04	Task		Rolled Up Task		External Tasks	
	Critical Task		Rolled Up Critical Task		Project Summary	
	Progress		Rolled Up Milestone		Group By Summary	
	Milestone		Rolled Up Progress		Deadline	
	Summary		Split			

ID	Task Name	% Comp.	2005																	
			3rd Quarter				4th Quarter				1st Quarter			2nd Quarter			3rd Quarter			4th Q
			Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	
1	White Beam Conditioning (WBC)	78%																		
2	Beamline Shielding Walls (BSW)	95%																		
3	BSW Concept design proposal	100%																		
4	BSW 3D design	100%																		
5	BSW Detailed design	100%	R sub-contractor																	
6	BSW Manufacturing	90%	NR Mech. Engineering[5%],NCNR sub-contractor																	
7	Beam Tube Insert	100%																		
8	BT Concept design proposal	100%																		
9	BT 3D design	100%																		
10	BT Detailed design	100%																		
11	BT Manufacturing	100%	Engineering[5%],NCNR sub-contractor																	
12	Shutter	91%																		
13	Shutter Concept design proposal	100%																		
14	Shutter 3D design	100%																		
15	Shutter Dummy Detailed Design	100%	Merrick Engineering																	
16	Shutter Dummy Manufacturing	100%																		
17	Shutter detailed design	100%																		
18	Shutter Manufacturing	80%																		
19	Shutter Assembly and testing	0%																		

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20	Cryo Filter Exchanger	20%																				
21	CFX Concept design proposal	100%																				
22	RFQ and contract negotiations	100%	[10%], JHU@NIST Sub-contractor, Paul Homborg																			
23	Phase I	0%																				
24	Phase II	0%																				
25	Phase III	0%																				
26	Phase IV	0%																				
27	CFX Acceptance testing at NCNR	0%																				
28	Choke box	74%																				
29	CB Concept design proposal	100%																				
30	CB 3D design	100%																				
31	CB detailed design	95%																				
32	CB manufacturing	0%																				
33	CB Installation	0%																				
34	WBC Installation	90%																				
35	Preliminary Beamline Complete	100%																				
36	Monochromator Cask (DFMC)	72%																				
37	Inline Collimator Exchanger	73%																				
38	ICX Concept design proposal	100%																				

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39	ICX 3D design proposal	100%																		
40	ICX Requirements review	100%																		
41	ICX Exchanger detailed 3D design	100%																		
42	ICX Collimator design and manufacturing	50%																		
43	ICX Electrical system design	100%																		
44	ICX Detailed mechanical design drafting	95%																		
45	ICX Mechanical manufacturing RFQ	60%																		
46	ICX Mechanical manufacturing	20%																		
47	ICX Assembly and testing at JHU	0%																		
48	Variable Beam Aperture	69%																		
49	VBA Concept design proposal	100%																		
50	VBA 3D design proposal	100%																		
51	VBA Requirements review	100%																		
52	VBA Detailed 3D design	100%																		
53	VBA Mechanical design drafting	98%																		
54	VBA Mechanical manufacturing RFQ	6%																		
55	VBA Mechanical manufacturing	85%																		
56	VBA Electrical system design	100%																		
57	VBA Electrical system fabrication	100%																		
58	VBA Assembly and testing at JHU	15%																		

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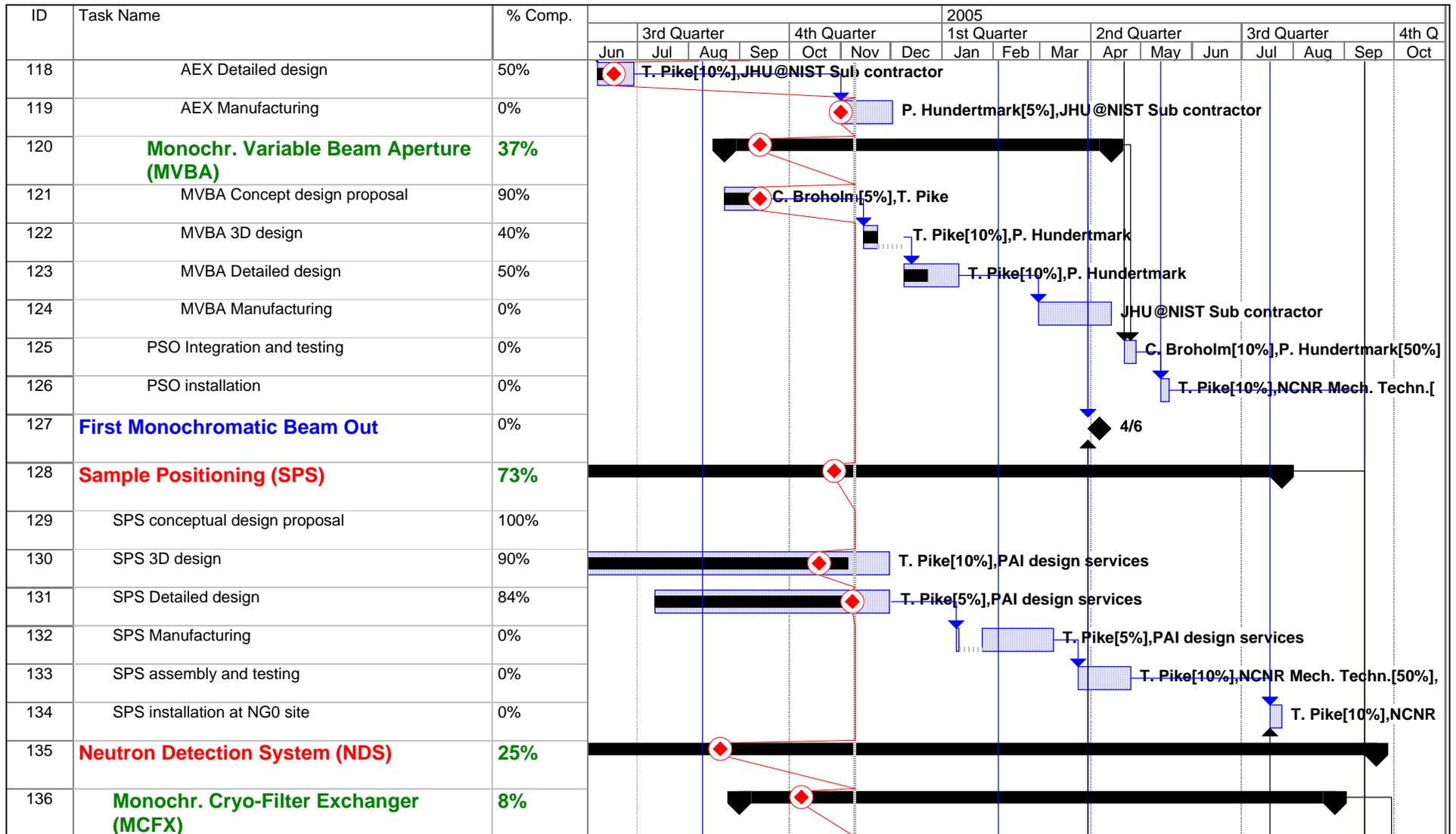
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79	DFMC Concept design proposal	100%																		
80	DFMC 3D design proposal	100%																		
81	DFMC Requirements review	100%																		
82	DFMC Detailed 3D design	85%																		
83	DFMC Mechanical design drafting	80%																		
84	DFMC Mechanical manufacturing RFQ	40%																		
85	DFMC Manufacturing	0%																		
86	DFMC assembly and testing at JHU	0%																		
87	Shot/Wax Backfull at NCNR	0%																		
88	DFMC Integration	66%																		
89	Cask support structure design	100%																		
90	Cask support structure fabrication	80%																		
91	DTS integration	0%																		
92	DFM Integration	0%																		
93	VBA integration	0%																		
94	ICX integration	0%																		
95	Subsystem alignment	0%																		
96	DFMC Installation	0%																		
97	Package for shipping	0%																		
98	DFMC transfer to NCNR	0%																		

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99	DFMC installation at NG0	0%																			
100	Monochromatic Beam Transport (MBT)	51%																			
101	Static MBT shielding	98%																			
102	MBT shielding conceptual design proposal	100%																			
103	MBT shielding 3D design	100%																			
104	MBT shielding Detailed design	100%																			
105	MBT shielding Manufacturing	95%																			
106	Supermirror Guide System (SMG)	43%																			
107	SMG Concept design proposal	100%																			
108	SMG 3D design	100%																			
109	SMG Detailed design	85%																			
110	SMG Manufacturing	0%																			
111	SMG Assembly and testing	0%																			
112	MBT main shielding Installation	0%																			
113	Pre-Sample Optics (PSO)	33%																			
114	Monitor	0%																			
115	Attenuator exchanger	42%																			
116	AEX Concept design proposal	90%																			
117	AEX 3D design	40%																			

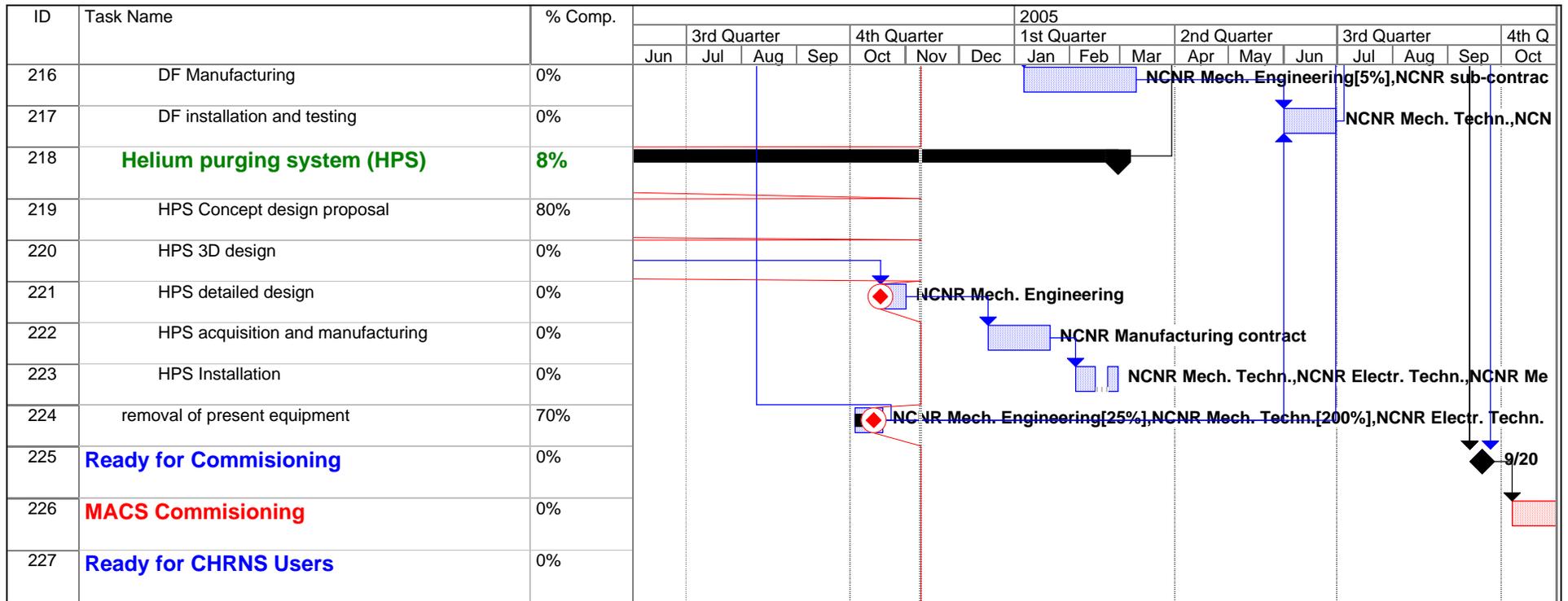
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157	DAXL 3D design	100%																		
158	DAXL Detailed design	100%																		
159	DAXL Manufacturing	21%																		
160	DAXL Assembly and testing	0%																		
161	Kidney Shielding (KS)	22%																		
162	KS Concept design proposal	100%																		
163	KS 3D design	15%																		
164	KS Detailed design	33%																		
165	KS Manufacturing	0%																		
166	Detectors and Electronics Acquisition	30%																		
167	Neutron Camera (NCA)	38%																		
168	NCA Concept design proposal	100%																		
169	NCA Detailed design completion	50%																		
170	NCA Completion Manufacturing	0%																		
171	NCA re-assembly and testing	0%																		
172	NDS Actuation (NDSA)	29%																		
173	NDSA Concept design proposal	100%																		
174	NDSA 3D design	100%																		
175	NDSA Detailed design	100%																		
176	RFQ for detector system support	0%																		

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