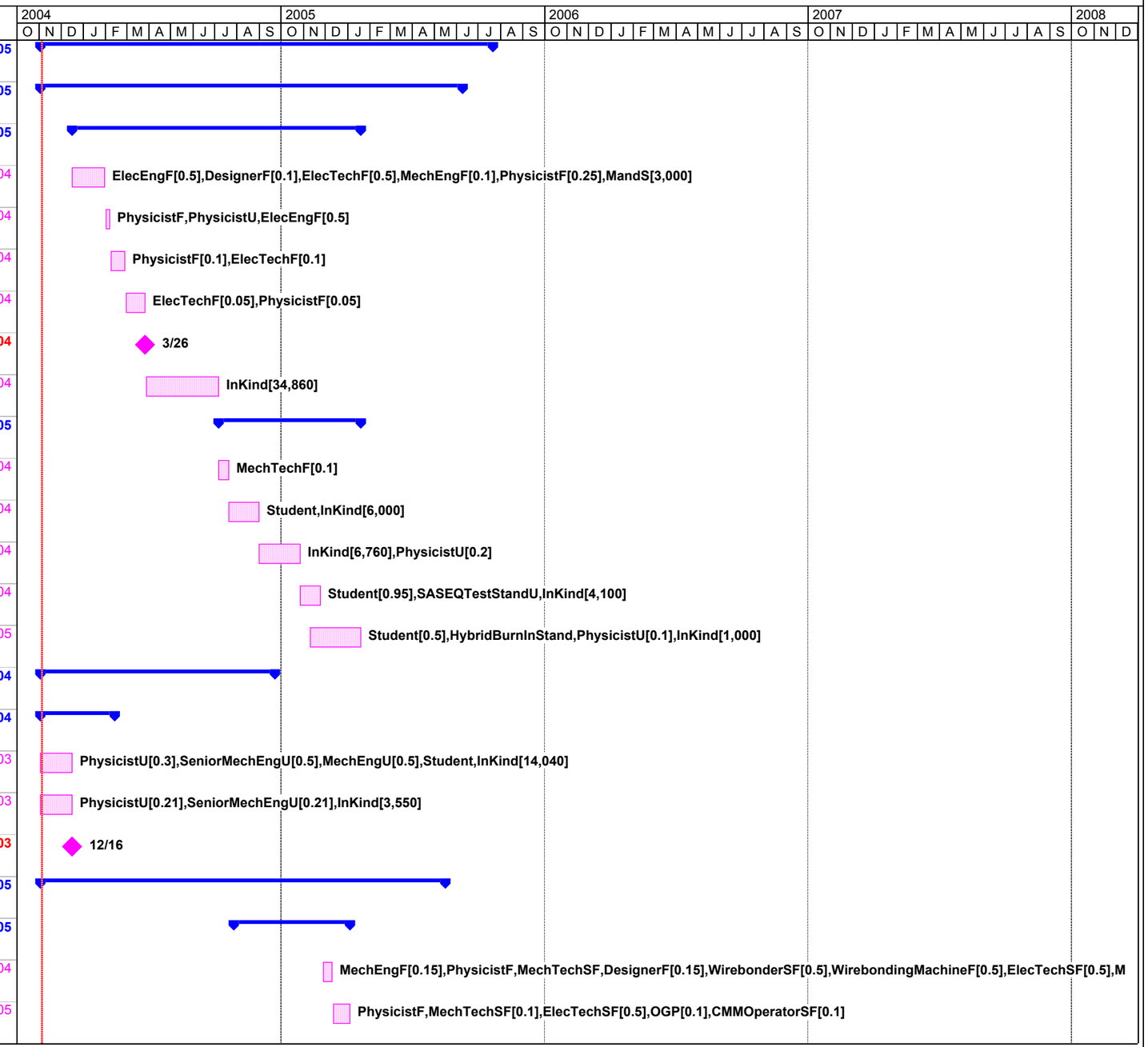
Layer 0 Silicon Tracker
Critical Path

ID	WBS	Task Name	Duration	Start	Finish
1	**1.6**	**Layer 0 Silicon Detector**	**424 d**	**11/3/03**	**7/21/05**
16	**1.6.2**	**Readout Electronics**	**395 d**	**11/3/03**	**6/9/05**
19	**1.6.2.3**	**Hybrids**	**265 d**	**12/17/03**	**1/19/05**
20	1.6.2.3.1	Design hybrids	5 w	12/17/03	1/30/04
21	1.6.2.3.2	Conduct hybrid production readiness review	1 w	2/2/04	2/6/04
22	1.6.2.3.3	Bid hybrid production	3 w	2/9/04	2/27/04
23	1.6.2.3.4	Prepare hybrid req and PO	4 w	3/1/04	3/26/04
24	**1.6.2.3.5**	**Release Hybrids for Production**	**0 w**	**3/26/04**	**3/26/04**
25	1.6.2.3.6	Produce hybrids	14 w	3/29/04	7/6/04
29	**1.6.2.3.10**	**Test Hybrids**	**130 d**	**7/7/04**	**1/19/05**
33	1.6.2.3.10.4	Wipe hybrids	2 w	7/7/04	7/20/04
35	1.6.2.3.10.6	Probe bare hybrids	6 w	7/21/04	8/31/04
36	1.6.2.3.10.7	Stuff and wirebond hybrids	8 w	9/1/04	10/27/04
37	1.6.2.3.10.8	Perform initial functionality test	4 w	10/28/04	11/24/04
38	1.6.2.3.10.9	Perform hybrid burn-in tests	8 w	11/11/04	1/19/05
108	**1.6.3**	**Mechanical Design and Fabrication**	**220 d**	**11/3/03**	**9/22/04**
109	**1.6.3.1**	**Support Structures Design**	**65 d**	**11/3/03**	**2/13/04**
110	1.6.3.1.1	Design mechanical structures	6 w	11/3/03	12/16/03
111	1.6.3.1.2	Conduct finite element analysis (mechanical)	6 w	11/3/03	12/16/03
112	**1.6.3.1.3**	**Freeze Mechanical Parameters**	**0 w**	**12/16/03**	**12/16/03**
140	**1.6.4**	**Layer 0 Detector Modules**	**378 d**	**11/3/03**	**5/16/05**
150	**1.6.4.4**	**Preproduction Modules**	**105 d**	**7/28/04**	**1/4/05**
152	1.6.4.4.2	Produce preproduction modules	2 w	11/29/04	12/10/04
153	1.6.4.4.3	Test preproduction modules	2 w	12/13/04	1/4/05

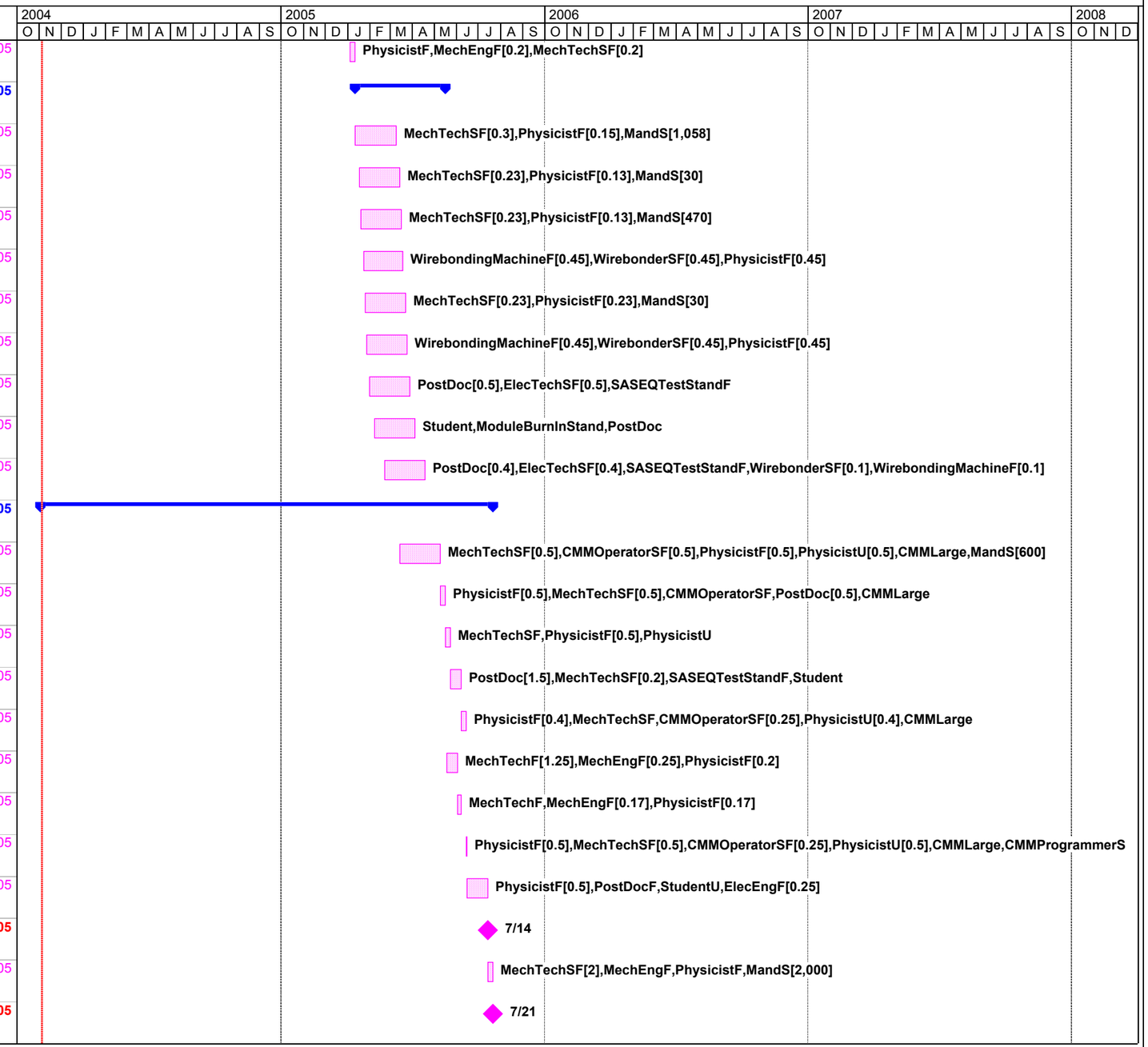


Project: Run IIb Layer 0 Silicon Sched
File: Silicon_Layer0_Schedule_Oct03_
Date: 11/4/03

Task | Critical Task | Milestone | Critical Milestone | Summary

Layer 0 Silicon Tracker
Critical Path

ID	WBS	Task Name	Duration	Start	Finish
154	1.6.4.5	Conduct L0 module production readiness review	1 w	1/5/05	1/11/05
155	**1.6.4.6**	**Module Production**	**88 d**	**1/12/05**	**5/16/05**
157	1.6.4.6.2	Prepare sensors for module production	8 w	1/12/05	3/9/05
158	1.6.4.6.3	Align and glue pair of flex cables	8 w	1/18/05	3/14/05
159	1.6.4.6.4	Align and glue sensor to flex cable	8 w	1/20/05	3/16/05
160	1.6.4.6.5	Perform sensor-to-flex cable wirebonds	8 w	1/24/05	3/18/05
161	1.6.4.6.6	Attach end hybrids to flex cable	8 w	1/26/05	3/22/05
162	1.6.4.6.7	Wirebond end hybrid to flex cable	8 w	1/28/05	3/24/05
164	1.6.4.6.9	Debug sensor modules	8 w	2/1/05	3/28/05
165	1.6.4.6.10	Burn-in sensor modules	8 w	2/8/05	4/4/05
166	1.6.4.6.11	Evaluate and repair sensor modules	8 w	2/22/05	4/18/05
169	**1.6.5**	**Final Detector Integration and Assembly**	**424 d**	**11/3/03**	**7/21/05**
180	1.6.5.5	Mount layer 0 sensor modules	8 w	3/15/05	5/9/05
181	1.6.5.6	Verify sensor alignment	1 w	5/10/05	5/16/05
182	1.6.5.7	Install temperature sensors	1 w	5/17/05	5/23/05
183	1.6.5.8	Perform initial electrical test of readout	2 w	5/24/05	6/7/05
184	1.6.5.9	Install outer shell	1 w	6/8/05	6/14/05
185	1.6.5.10	Beams Div bakeout and leak check of beam pipe	2 w	5/19/05	6/2/05
186	1.6.5.11	SiDet leak check of beam pipe	0.6 w	6/3/05	6/7/05
187	1.6.5.12	Install beam pipe	0.2 w	6/15/05	6/15/05
188	1.6.5.13	Test final system	4 w	6/16/05	7/14/05
189	**1.6.5.14**	**Layer 0 Silicon Detector Assembly and Testing Complete**	**0 w**	**7/14/05**	**7/14/05**
190	1.6.5.15	Prepare for transport to DAB	1 w	7/15/05	7/21/05
191	**1.6.5.16**	**Layer 0 Silicon Detector Ready to Move to DAB**	**0 w**	**7/21/05**	**7/21/05**



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