

FDC Action Item Tracker

D.S. Carman June 18, 2008

Item:	Status	Responsibility
1 Sealing of Rohacell surface exposed to gas	Open	B. Kross
2 Thickness of Rohacell core in cathode frame	In Prog.	D.S. Carman
3 Finalize cathode strip conductor choice	Done	D.S. Carman
4 Finalize cathode strip thickness choice	In Prog.	D.S. Carman
5 Complete composite cathode sandwich construction	In Prog.	B. Kross
6 Mount +/-75 deg. cathode planes	Done	B. Kross
7 Study performance of 2 μ m cathode planes in prototype	In Prog.	S. Taylor
8 Discuss cathode flatness/handling with board house	Done	R. Flood
9 Develop gas port design and prototype	Open	B. Kross, B. Crahen
10 Study sensitivity of cathode performance to vibrations	In Prog.	B. Kross, C. Hutton
11 Develop cathode flatness meas. scheme and procure	In Prog.	B. Crahen, D. Insley
12 Perform cathode flatness scan of prototype	In Prog.	D. Insley
13 Complete design of cathode boards	Done	R. Flood
14 Develop plan for including holes in cathode boards	Done	B. Crahen, R. Flood
15 Cut holes in cathode board prototype; finalize procedure	In Prog.	B. Crahen
16 Finalize cathode beam hole size	In Prog.	D. Lawrence
17 Design clearance for rigid-flex assemblies in frame	Open	C. Hutton
18 Finalize cathode butt joint assembly procedure	In Prog.	B. Kross
19 Consider issues with FDC forces from solenoid quench	Done	D.S. Carman
20 Finalize wire frame electroplating size region	In Prog.	D. Lawrence
21 Finalize preamp daughter board design	In Prog.	F. Barbosa
22 Complete gas flow calculations	Done	B. Crahen
23 Develop procedures for wire electroplating and test	Done	B. Kross
24 Develop equipment & material list for IUCF wire winding	Done	D.S. Carman
25 Finalize design of gas frame, include in CAD model	Open	C. Hutton
26 Finalize thickness of gas windows	Done	D.S. Carman
27 Finalize thickness of ground planes	Done	D.S. Carman
28 Complete final drawings	In Prog.	F. Barbosa
29 Complete modifications to Al construction jig for assembly	In Prog.	B. Kross
30 Update design for upstream insertion and cable routing	In Prog.	C. Hutton
31 Make final choice for o-ring material	In Prog.	B. Kross
32 Consider protection of FDC from target failure	Open	D.S. Carman
33 Give thermistor and humidity readout scheme to E. Wolin	Done	F. Barbosa
34 Procure wire plane circuit boards	Done	K. Shinault
35 Procure G10 skins	Done	B. Kross
36 Procure Rohacell sheets	Done	B. Kross
37 Procure cathode boards	In Prog.	R. Flood
37 Procure cathode rigid flex assemblies	In Prog.	R. Flood
39 Procure wire frame components/connectors	Done	K. Shinault

40	Procure second frame construction station	In Prog.	B. Kross
41	Procure cooling system parts	In Prog.	B. Crahen
42	Complete FDC construction space request	Done	D.S. Carman
43	Prepare TDR version for March review	Done	D.S. Carman
44	Wire frame PCB cleaning & QA procedure doc.	In Prog.	F. Barbosa
45	Cath. daughter board stuffing, cleaning, QA proced. doc.	Open	R. Flood
46	Cathode sandwich assembly procedure doc.	Open	B. Kross
47	Cathode board QA doc.	Open	R. Flood
48	Request clean room space from Dennis Skopik	Done	D.S. Carman
49	Prepare wire frame PCB stuffing document	In Prog.	K. Shinault
50	Prepare wire frame PCB acceptance checkout document	Done	K. Shinault
51	Prepare cathode daughter board accep. checkout doc.	Open	R. Flood
52	Prepare cathode board acceptance checkout document	Open	R. Flood
53	Prepare cathode handling spec. document	Open	R. Flood

