

Category	Priority	Reported by	Status:
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<b>Other</b>	Services FDR preparation	A	All	Interspersed below in other sections.
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<b>Sectors</b>				
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Bend tubes/harden	In progress	Tom J	60 tubes hardened and bent, at least 40 "good ones", all but 6 have strain reliefs attached.
Modify strain reliefs	In progress	Tom J	Need to re-anodize 1 batch, but this is for the second batch of 40 tubes, and doesn't hold up anything now.
Bond foam to faceplates	A	Tom J	Jon in process of cutting cyanate-ester during meeting. Jon was cutting foam yesterday.
Tooling for module mounting	A	Fred	Fred: "...dropping modules; will get better."
Next shipment to EB for May 21 or so	Done?	Tom J, Neal	Shipment ready, waiting for quote from EB that shows hourly rates so we can make blanket order and send parts with PO. Promised by EB today, but as of writing has not been received.

<b>Frame</b>				
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Sand sections flat	A	Tom J	No status update from Jon. Assumed no progress made.
Revise pinning scheme	A	Tom J	No status update from Jon. Assumed no progress made.

<b>PST and related</b>				
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Shear strength samples	A	Neal	In process of bonding specimens together. Should be tested by next week.
Mandrel status	A	Neal	Mandrel is being finished. It looks like we have found a nickel plater in Fremont, so plating will be done there.
CTE samples/measurements	Done	Neal	Drawing updated and sent to Allied, attached to PO.
Material Delivery/Freezer		Neal	Material is being sent next Tuesday, should arrive Wednesday. Freezer should be running again by end of the week, after electrical work completed.

<b>Beam pipe support/service panels</b>				
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Revise service panel model/drawings	Ongoing	Eric	Eric and Alexis integrating models on Friday for meeting with Dave Uken on Tuesday. Eric is looking at hinging service panel in order to make assembly/access easier.
Trolley design	Ongoing	Alexis	ibid.
PP0 prototype	A	Maurice	Done. Waiting for more parts of panel in order to do anything else.
Simple mockup, cable lengths	A	Maurice	Cable situation is a "wake-up call". Wire bundles too stiff. Maurice has ordered samples of kapton, silicone, and PE tubing to try as alternates to the heatshrink stuff. Eric and Neal favor "ribbonizing" cables with adhesive, manually. Maurice looking at smaller power wires to ease situation, and wants to investigate new PP0 layout that would make cable lengths all equal.

<b>PP1</b>				
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Mechanical fabricate prototype	In progress	Fred	PP1 not done, won't be ready for gas testing for a while. Some inserts have been incorporated into plate, but bellows have not been quoted yet.
Fabricate electrical feedthroughs	Done?	Maurice	1 set has been done. Looks good (heavy!). Other set being completed. Wires will be sent to CERN for inclusion in Jocelyn's mockup soon.
Solder wires to feedthroughs	A		ibid.
Beam pipe attach for services FDR	A	Fred	Has not been tackled yet, if this means the "can" to the beampipe from the PP1 ID.
Test prototype cooling fittings	A	Tom W	All 4 test in 9/10 scale. One sample that cracked was re-welded and performs admirably. Testing regimen has been completed up to the thermal cycling stage. Tom is ready to do this soon.
Material options	Ongoing	Ron	Eric/Neal advised Ron of possible addition of stainless filters/pressure drop devices to the PP1 region, as well as of need to include the beampipe adjustors in material estimate. Eric will provide Ron with specifics of mass and volume.

<b>Cooling tubes</b>				
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Long capillary status	A	Eric, Neal	We are proposing a baseline system with no changes from the original cooling circuit, except that there will be a pressure drop device included with the filter at PP1. This will allow the possibility of dropping system pressure from 16 to 8 bar before the capillary. We need to build and test the parallel heat exchanger, and add loops around exhaust if necessary. We will use the same capillary as proposed before. Fred is going to work on how to incorporate the pressure drop device into the inlet tube fittings at PP1. Ron will include the mass of these devices into the material estimate.
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