

## RICH Task List- Updated 5/19/2016

#	Item	Responsible Group	Status	Date Updated	Comments
1	FPGA programming	Fast Electronics	Unknown		
2	Test mirrors	Italians	Not started		Mirrors will be tested on arrival.
3	Gas system hardware procurement	DSG/Italians	Not started		Will start when system is approved.
4	Cooling system hardware procurement	DSG/Italians	Not started		Will start when system is approved.
5	Interlock system hardware procurement	DSG/Italians	Not started		Will start when system is finalized.
6	Aerogel characterization	Italians	Not started	5/18/2016	Weighing to determine moisture absorbed; Would DSG help be needed in process?
7	Detector assembly	DSG/Italians	Not started		Assemble in EEL 124 when DCs move to Hall.
8	Arrange EEL 124 for assembly	DSG	Not started		Will start when DCs move to hall.
9	Develop interlock system LabVIEW code	DSG	Not started		Will start when hardware is bought.
10	Move components from storage to assembly area	Hall B Engineering	Not started		Will start when assembly is to begin.
11	Rack for mirror testing	DSG/Italians	Waiting for shipment	5/18/2016	If mirrors are shipped in sturdy box, will just use shipping box for storage.
12	Electronics delivery	Italians	Expected June 2016	5/19/2016	Information in installation document emailed by Marco Mirazita on 3/10/2016.
13	External frame and support structure delivery	Italians	Expected May 2016	5/19/2016	Information in installation document emailed by Marco Mirazita on 3/10/2016.
14	Mirror shipments	Italians	Starting June 2016	5/12/2016	First mirrors delivered around 6/13/2016, see Marco Contalbrigo's email from 5/12/2016.
15	Install Debian OS onto PCs	DSG	Contacted Computer Center	5/18/2016	Contacted JLAB Computer Center on 5/18/2016 about having Debian OS PCs on JLAB network.
16	Scale for aerogel measurements	DSG	Researching scales and vendors	5/18/2016	Started procurement process for a ~300 g scale with 0.01 g precision.
17	Gloves and masks for aerogel testing	DSG	Need to order masks	5/18/2016	Gloves in cleanroom, masks can be ordered.
18	Cooling system hardware list	DSG	Waiting for info from INFN Group	5/13/2016	Tyler's email on 5/13/2016
19	Interlock system hardware list	DSG	Preliminary list compiled	5/18/2016	In DSG weekly meeting talk from 5/18/2016.
20	Approve location for cooling system compressors	Hall B Engineering	Information for use of space sent	4/27/2016	Emailed Bob Miller, Doug Tilles, Eugene Pasyuk on 4/27/2016 about using Pie Tower Level 3.
21	Gas system hardware list	DSG	Started	5/19/2016	George is compiling list.
22	Assembly structure anchoring approval	Hall B Engineering	Started	5/5/2016	Bolt size needs approval, sent engineering drawing to Saptarshi.
23	Interlock system design	DSG	Started	5/18/2016	cRIO-based system, DSG researching cRIO modules needed for interlocks.
24	ASME valve approval	Hall B Engineering	Started	5/19/2016	George sent cooling system diagram on 5/12/2016, more info and parts list emailed on 5/19/2016
25	Aerogel shipments	Italians	Started October 2015	10/2015	Aerogel stored in dryboxes in cleanrooms.
26	PCs for mirror testing	DSG	Completed	5/18/2016	Will use RHEL PCs SVTSystem2 and PCAMPERO, both meet requested specs.
27	LV supply (5 V, minimum 2 A, two channels)	DSG	Completed	5/18/2016	Required LV supply available for use.
28	Oscilloscope	DSG	Completed	5/18/2016	Required oscilloscope available for use.
29	Multimeter	DSG	Completed	5/18/2016	Required multimeter available for use, in EEL 121b cleanroom.
30	Gas system design	DSG	Completed	3/1/2016	George made preliminary drawing.
31	Cooling system design	DSG	Completed	5/5/2016	George made preliminary drawing, see George's email (5/5/2016).
32	CAEN HV interlocks	DSG	Completed	5/17/2016	Confirmed CAEN HV supply has internal interlocks.
33	Darken EEL 121b cleanroom	DSG	Completed	3/8/2016	Tyler's email on 3/8/2016
34	Remove excess equipment from EEL 121b cleanroom	DSG	Completed	5/10/2016	Completed week of 5/10/2016.
35	PMT shipments	Italians	Completed	1/2016	half of total PMTs in cabinet in TED, remaining in Valery's and Andrey's offices.
36	Move optical tables to EEL 121b cleanroom	Hall B Engineering	Completed	4/15/2016	Tyler's email on 4/15/2016