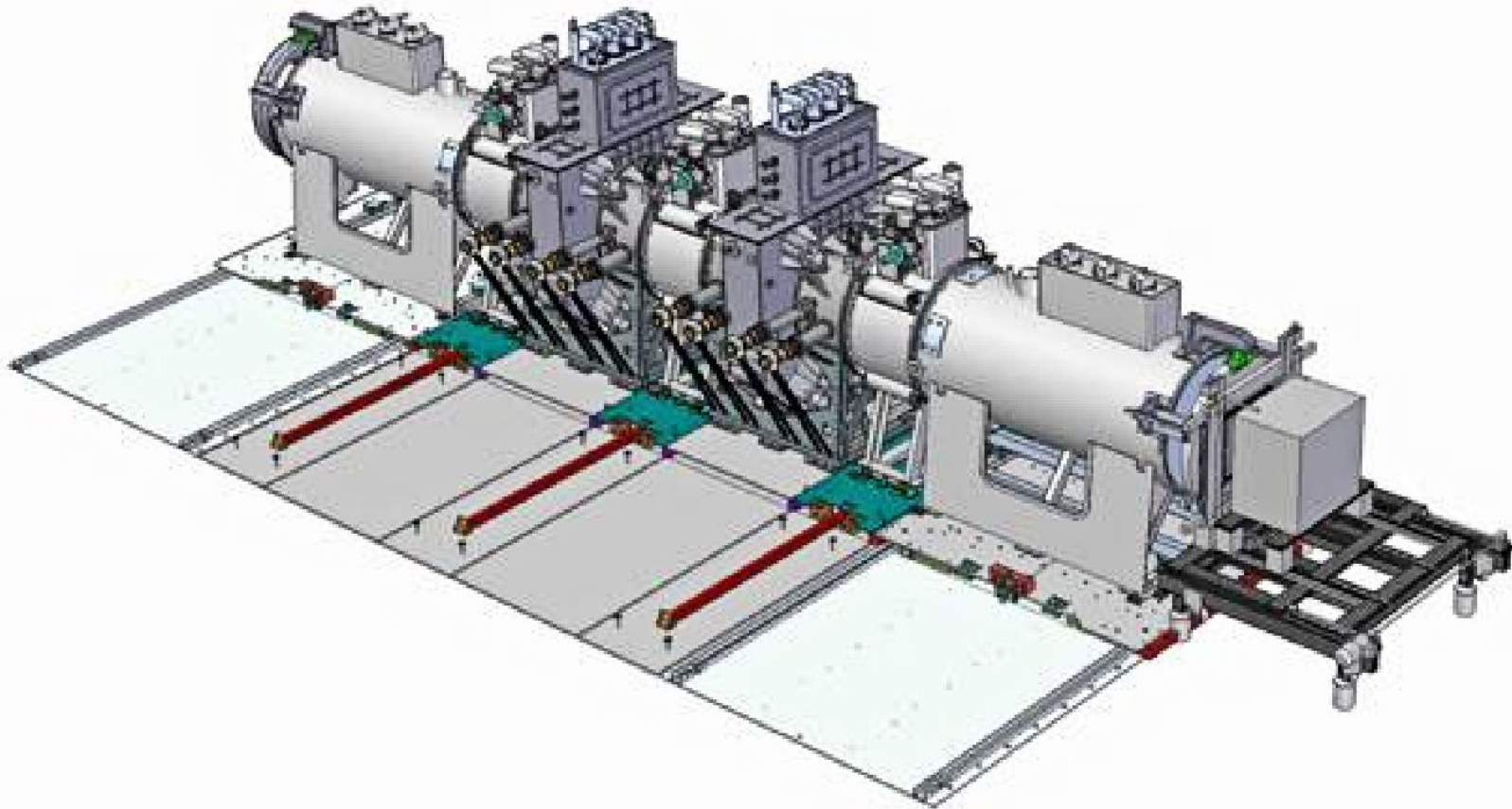
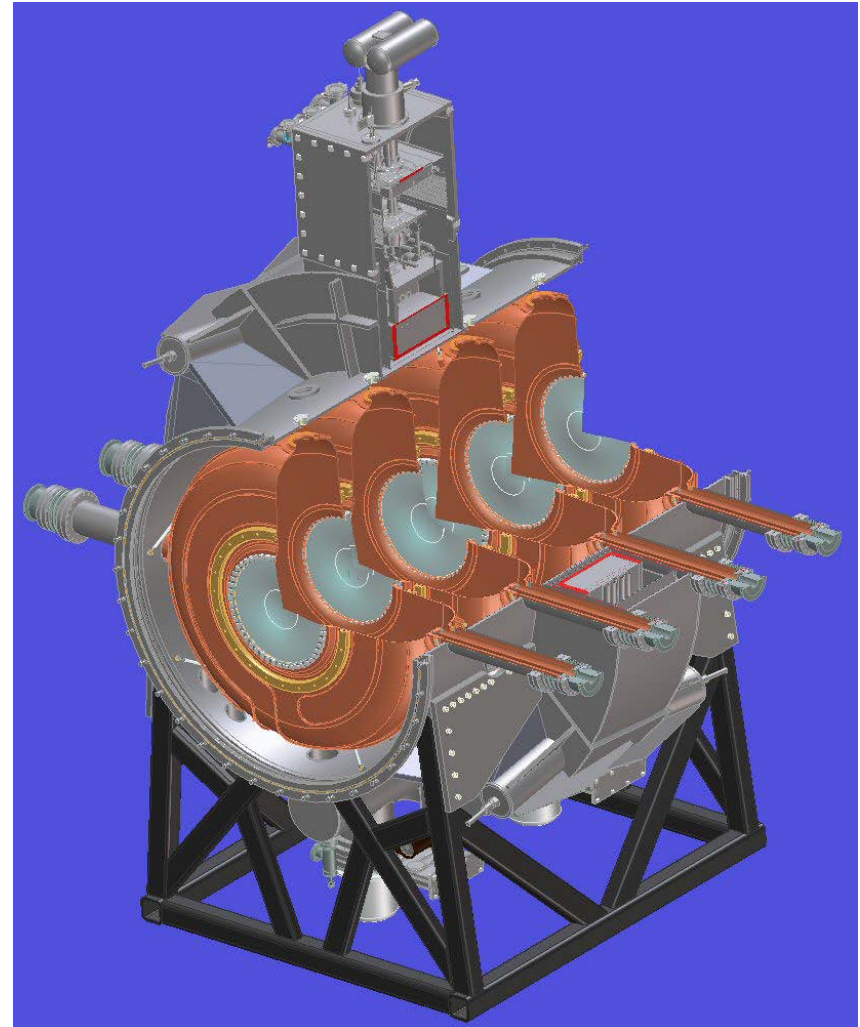


MICE RFCC Modules

MICE Step VI

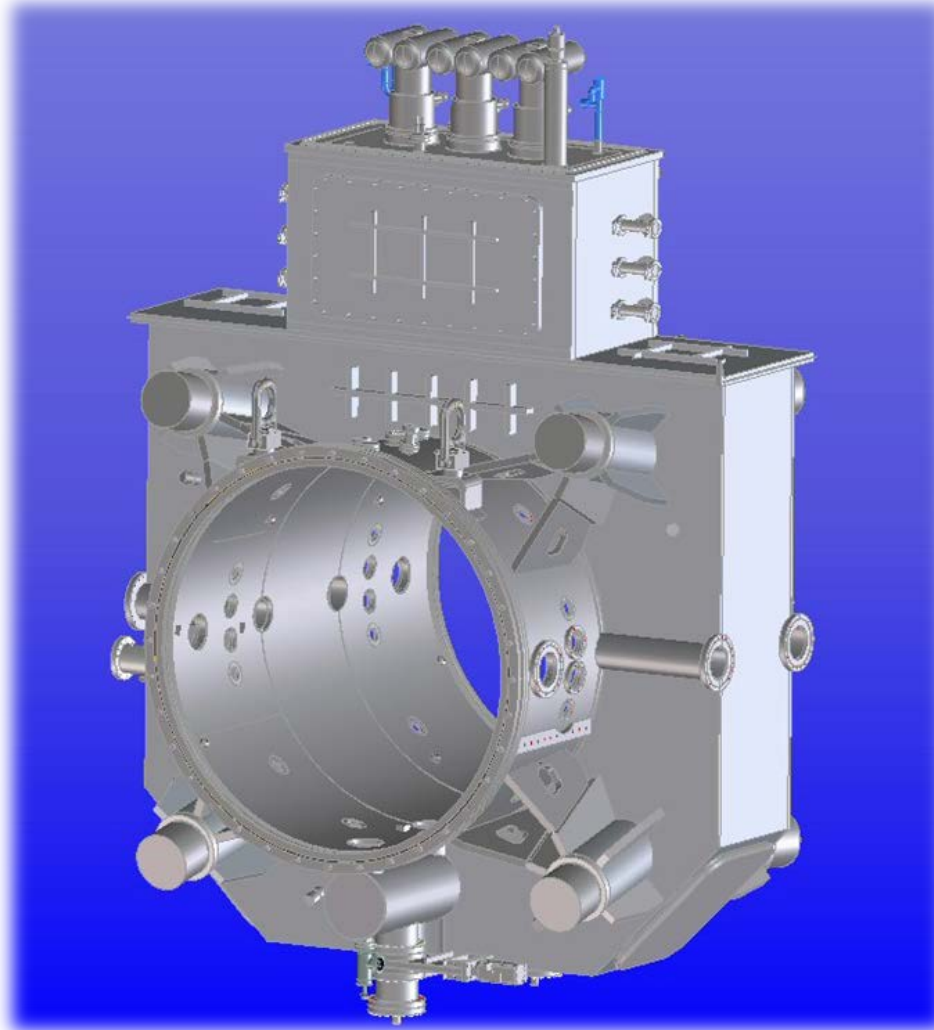


The MICE RFCC Module

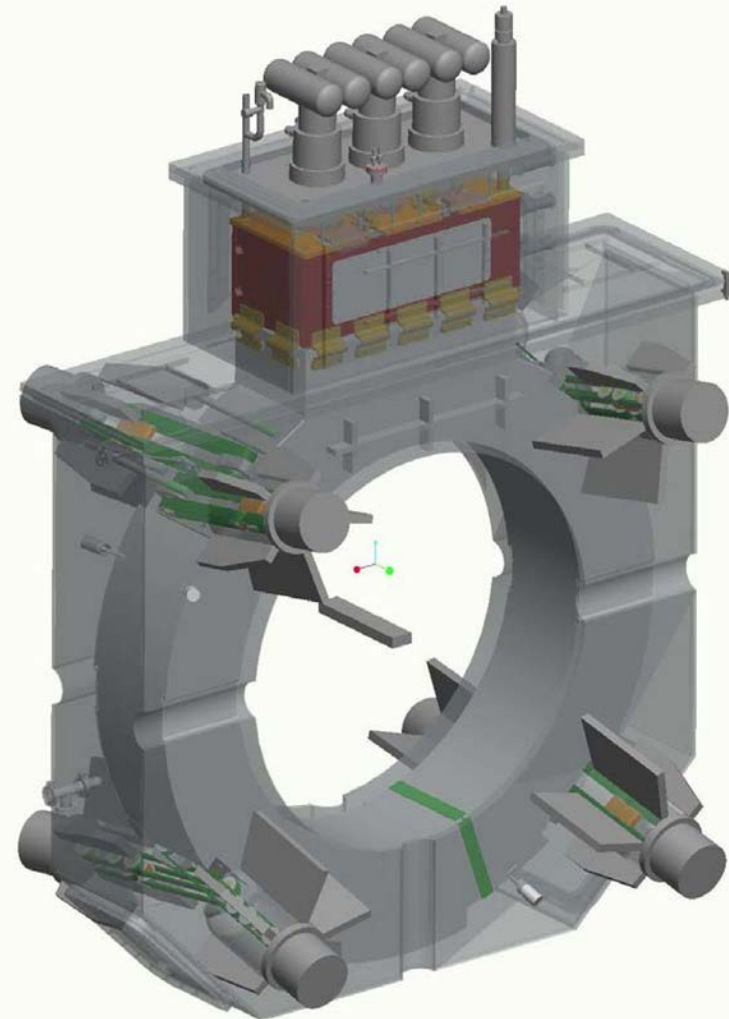


RFCC Module II

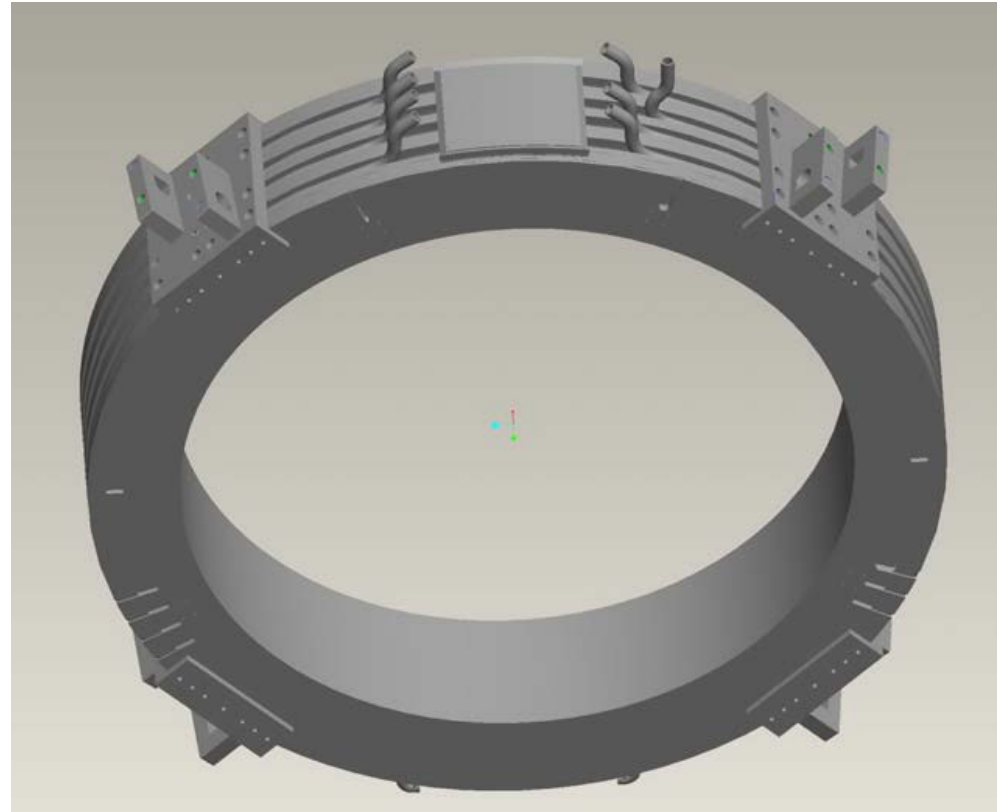
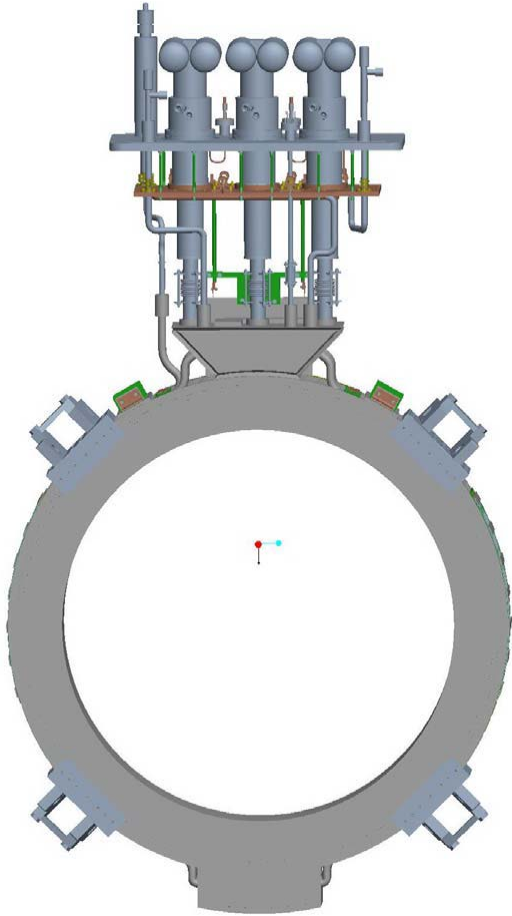
Cavities removed



RFCC III



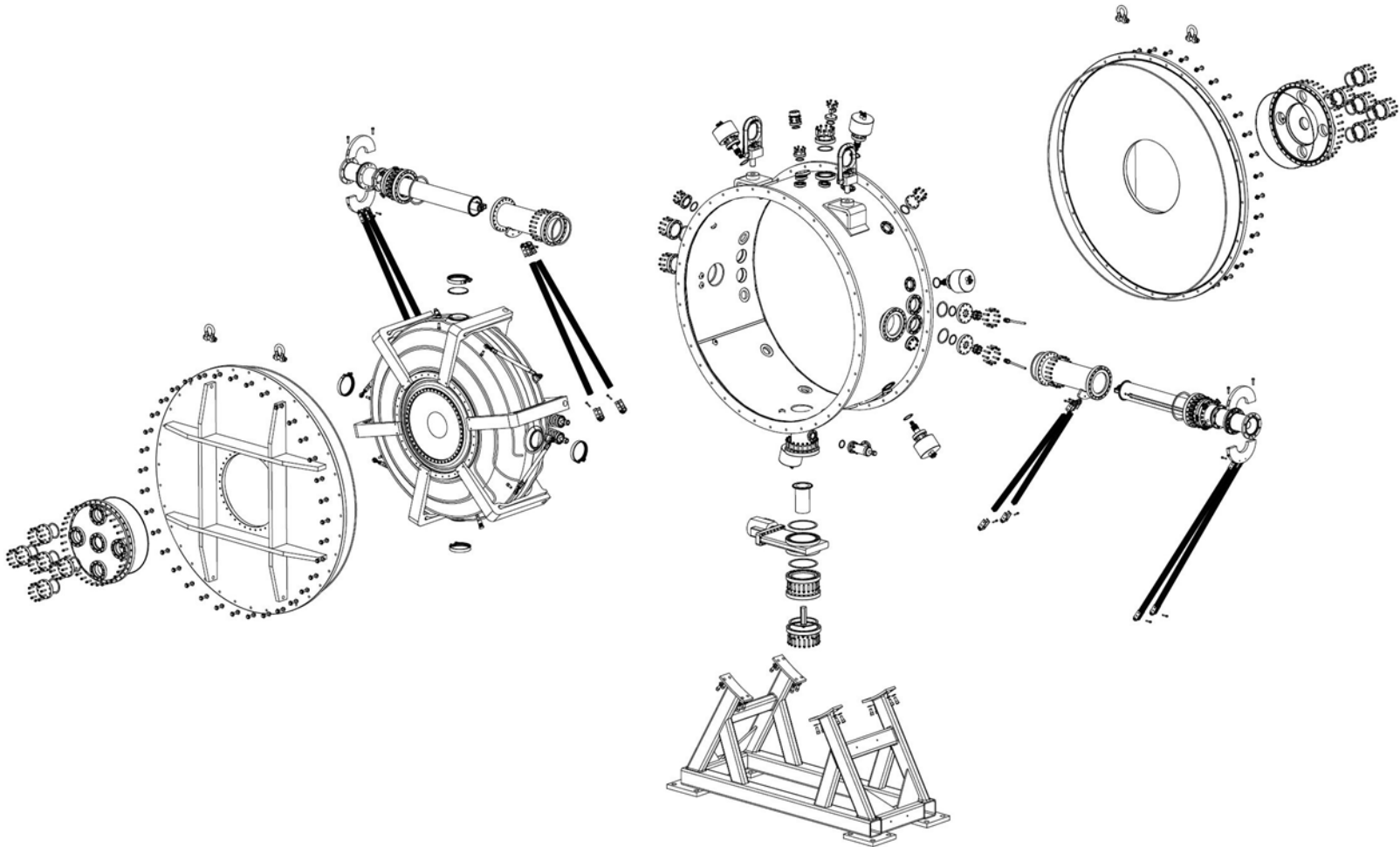
Testing the CC



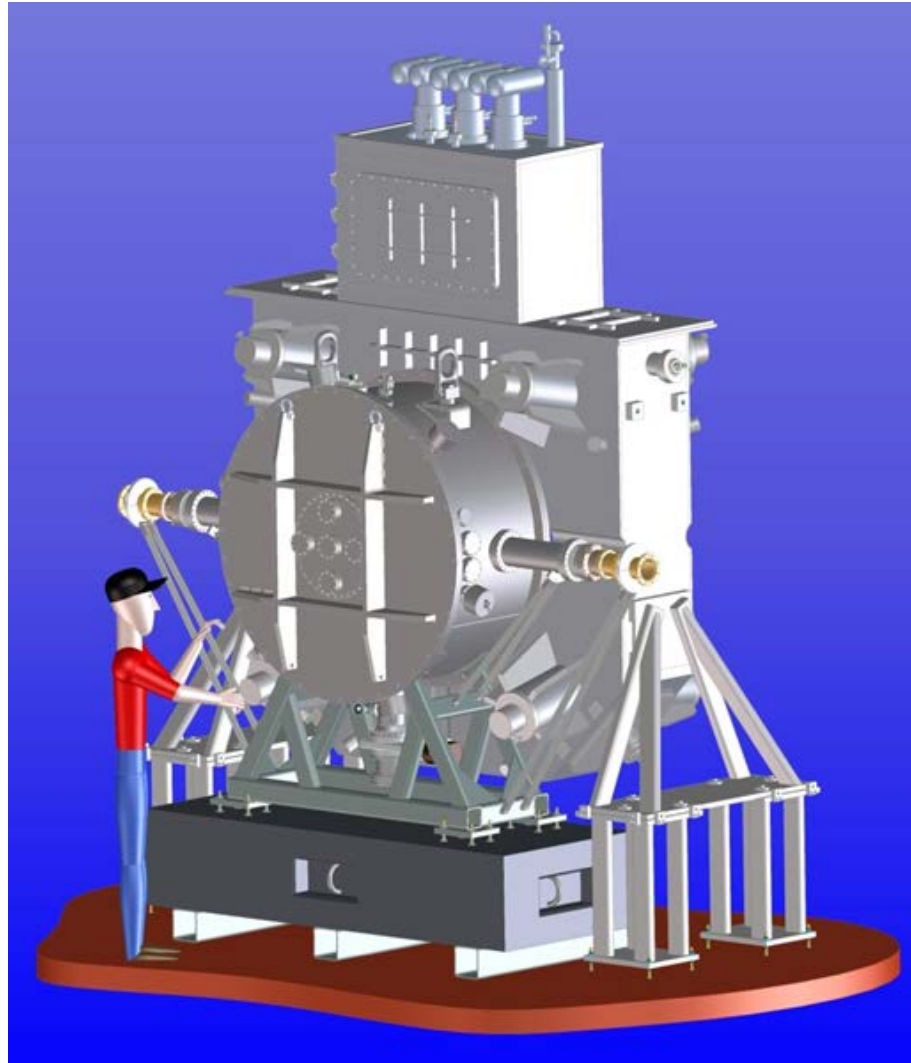
Test Cryostat for CHL



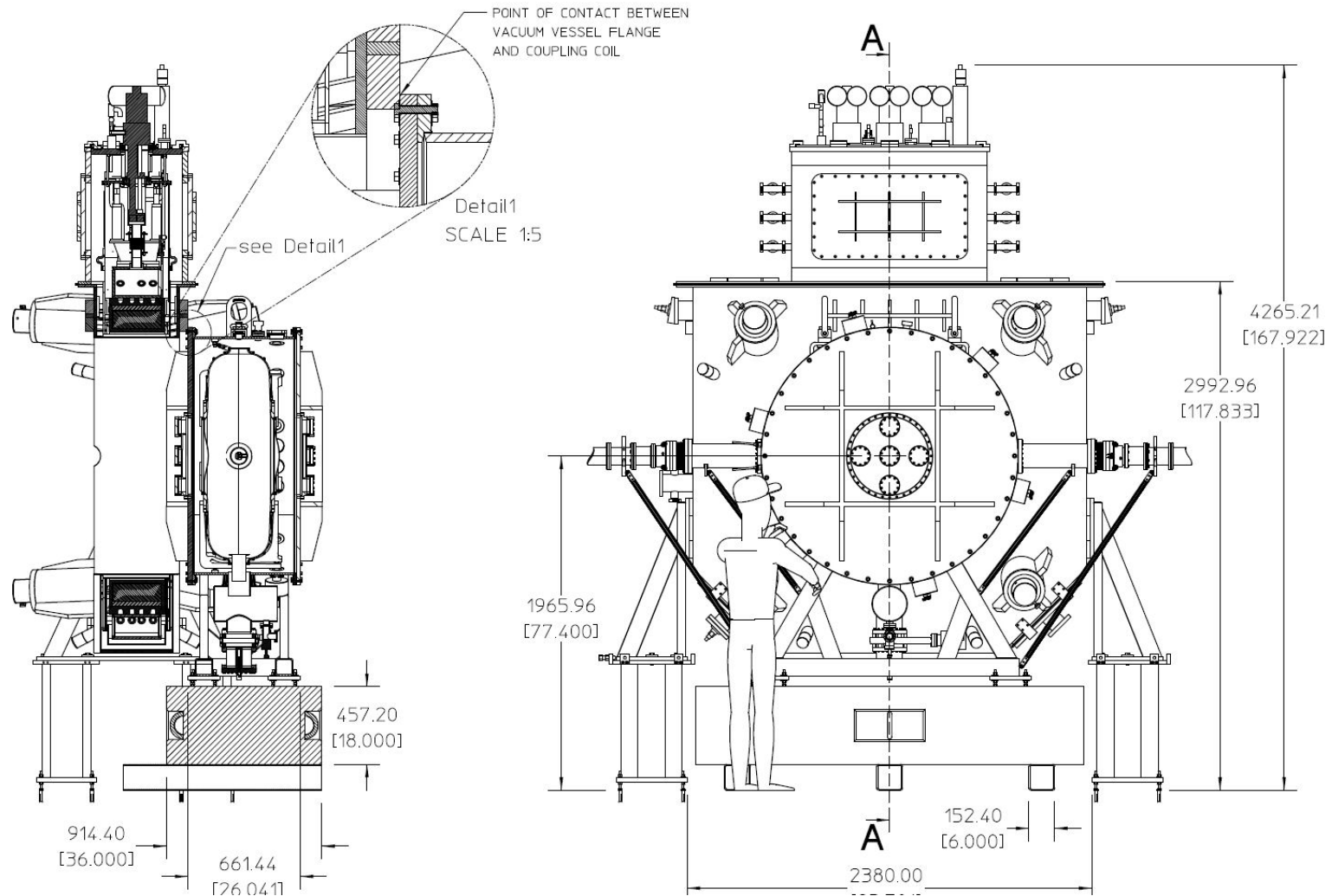
RF - Single Cavity Test System For tests in the MTA



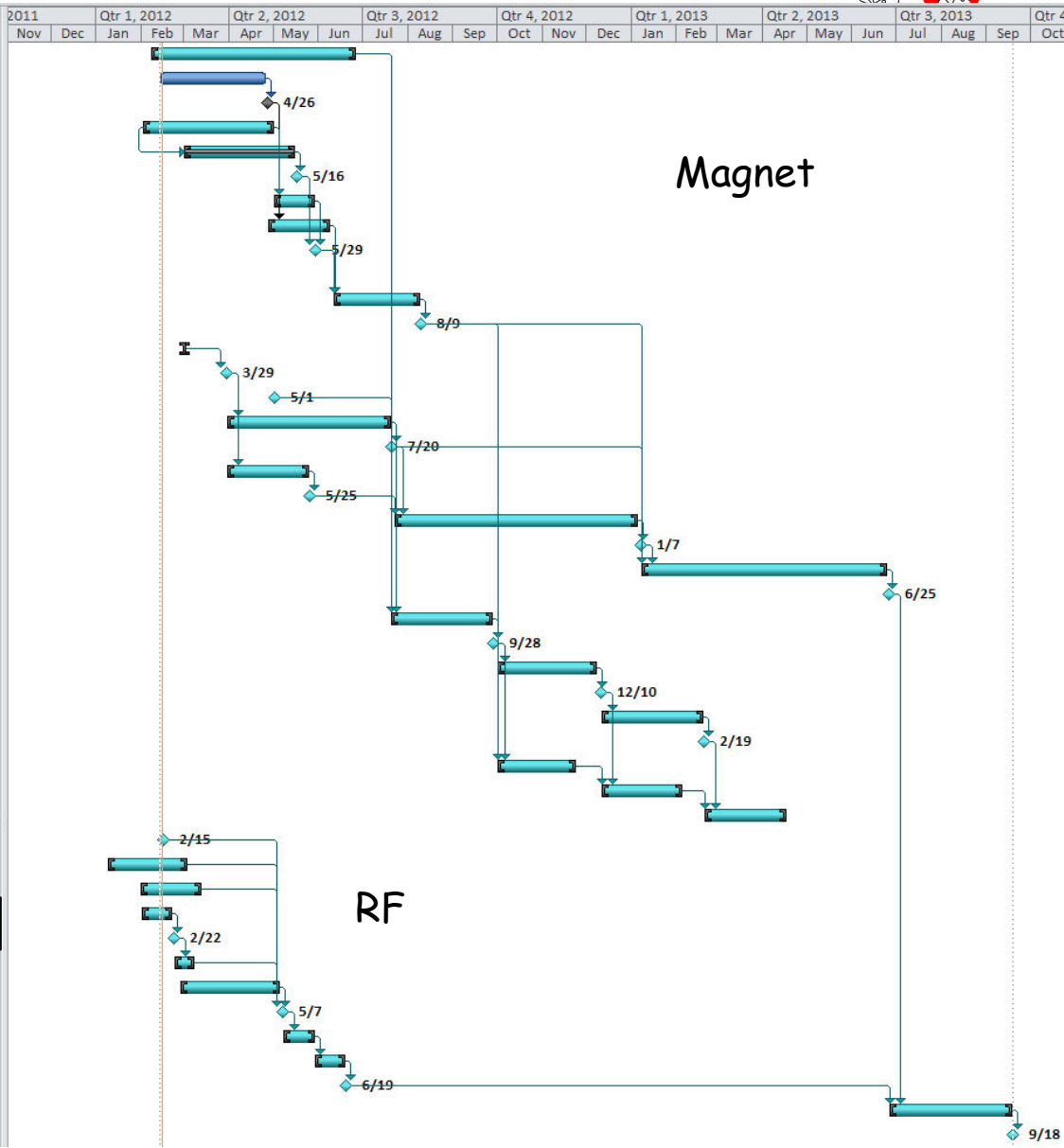
First CC + SCTS



SCTS-CC in MTA



Task Name	Duration	Start	Finish
1 Order new superconductor	5 mons	Tue 2/7/12	Mon 6/25/12
2 First winding prep	52 days	Tue 2/14/12	Wed 4/25/12
3 First winding ready for test	1 day	Thu 4/26/12	Thu 4/26/12
4 CC Test stand fab & installation	63 days	Thu 2/2/12	Mon 4/30/12
5 CC Test stand safety doc & review	54 days	Thu 3/1/12	Tue 5/15/12
6 CC Test stand ORC received	1 day	Wed 5/16/12	Wed 5/16/12
7 CC Test stand commissioning	20 days	Tue 5/1/12	Mon 5/28/12
8 CC winding prep	31 days	Fri 4/27/12	Fri 6/8/12
9 CC Test stand operational	1 day	Tue 5/29/12	Tue 5/29/12
10 First winding test complete			
11 Test first CC winding	43 days	Mon 6/11/12	Wed 8/8/12
12 First CC winding test complete	1 day	Thu 8/9/12	Thu 8/9/12
13 CC Pre-production design review	2 days	Wed 2/29/12	Thu 3/1/12
14 Fabrication package released to vendor	20 days	Fri 3/2/12	Thu 3/29/12
15 Coil winding design review at Qi Huan	1 day	Tue 5/1/12	Tue 5/1/12
16 Fab cryostat parts	4 mons	Fri 3/30/12	Thu 7/19/12
17 All cryostat parts complete	1 day	Fri 7/20/12	Fri 7/20/12
18 Bid for cryostat assembly & vac test	2 mons	Fri 3/30/12	Thu 5/24/12
19 Contract for 1st cryostat released	1 day	Fri 5/25/12	Fri 5/25/12
20 Fab first cryostat	6 mons	Mon 7/23/12	Fri 1/4/13
21 First CC cryostat complete	1 day	Mon 1/7/13	Mon 1/7/13
22 Assembly of First MICE CC & Test	6 mons	Tue 1/8/13	Mon 6/24/13
23 CC Ready to be moved to MTA	1 day	Tue 6/25/13	Tue 6/25/13
24 Qi Huan winds 2nd coil	10 wks	Fri 7/20/12	Thu 9/27/12
25 Qi Huan completes 2nd coil	1 day	Fri 9/28/12	Fri 9/28/12
26 Qi Huan winds 3rd coil	10 wks	Mon 10/1/12	Fri 12/7/12
27 Qi Huan completes 3rd coil	1 day	Mon 12/10/12	Mon 12/10/12
28 Qi Huan winds 4th coil	10 wks	Tue 12/11/12	Mon 2/18/13
29 Qi Huan completes 4th coil	1 day	Tue 2/19/13	Tue 2/19/13
30 Test of 2nd CC coil winding	40 days	Mon 10/1/12	Fri 11/23/12
31 Test of 3rd CC coil winding	40 days	Tue 12/11/12	Mon 2/4/13
32 Test of 4th CC coil winding	40 days	Wed 2/20/13	Tue 4/16/13
33 Single cavity vacuum vessel at FNAL	1 day	Wed 2/15/12	Wed 2/15/12
34 Cavity Tuner fabrication	8 wks	Mon 1/9/12	Fri 3/2/12
35 Cavity actuator fab	6 wks	Tue 1/31/12	Mon 3/12/12
36 Safety Review for EP @ LBL	3 wks	Wed 2/1/12	Tue 2/21/12
37 EP Review pass	1 day	Wed 2/22/12	Wed 2/22/12
38 Cavity electro-polished	2 wks	Thu 2/23/12	Wed 3/7/12
39 Fabrication of new RF couplers	10 wks	Mon 2/27/12	Fri 5/4/12
40 All parts for SC MICE test at FNAL	1 day	Mon 5/7/12	Mon 5/7/12
41 Assembly MICE SC test system	3 wks	Tue 5/8/12	Mon 5/28/12
42 Install SCVV in MTA	15 days	Tue 5/29/12	Mon 6/18/12
43 Ready to test MICE production cavity in MTA	1 day	Tue 6/19/12	Tue 6/19/12
44 Integrate SCTS & CC in MTA	12 wks	Wed 6/26/13	Tue 9/17/13
45 Ready for Full SCTS-CC Test	1 day	Wed 9/18/13	Wed 9/18/13



Schedule

- Meeting this schedule requires a number of things
 - ◆ Supplemental funding so that we can procure the assembly of the first cryostat this year
 - ◆ Engineering to allow us to install large components in the MTA
 - And technician resources during assembly and installation
 - ◆ Development of detailed plan for final assembly of the Coupling Coil magnet that will be moved into the MTA

Fermilab Resources

- The critically needed resources that are needed are for Mechanical engineering and design/drafter
- In addition, the on-going MTA RF program is now at the stage where mechanical technician support is extremely critical to our continued progress
 - ◆ Many configuration changes
- The needs have been enumerated in detail to the AD mechanical department
 - ◆ The scope has not changed since the last communication