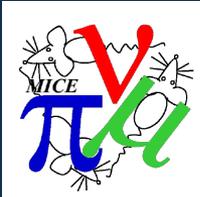


US Schedule and Resources

Alan Bross

FNAL

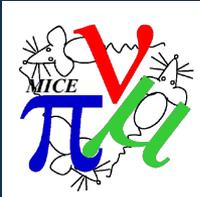
September 10, 2015



Cooling Demo US Deliverables



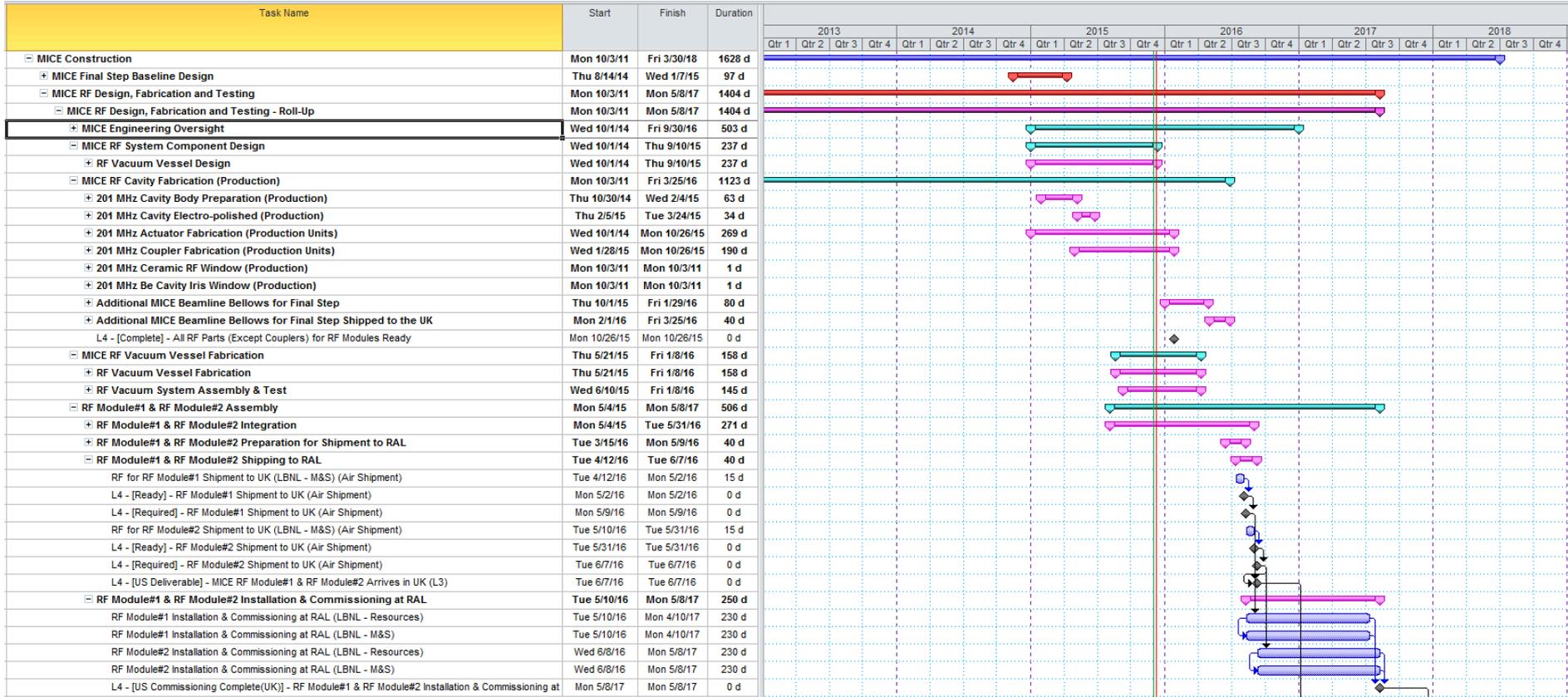
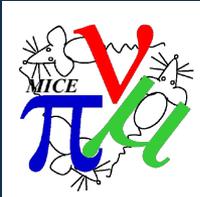
- LiH central absorber
 - Delivered and at RAL
- LiH secondary absorbers (2)
 - Will be procured by STFC with coordination help from US
 - Reduces “noise” hits from RF emission in Fiber Trackers
- RF Modules (2)
 - Completion of Test program in MTA on Single-Cavity Test System
 - Production coupler tests
 - Cavities, Tuner system, RF power couplers and vacuum vessels
 - “Primary” RF module vacuum system
- Partial Return Yoke extension

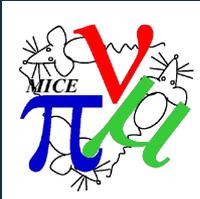


Deliverables: Status overview



- RF vacuum modules
 - Out for fabrication
 - Keller Technology – built prototype
 - Due (both) first week of December
- Derun reported on the details of the RF module fabrication
- Terry has reported on the status of the RF module vacuum system
- Partial Return Yoke extension out for fabrication
 - Steel in US
 - Fabrication complete ~ mid November, 2015

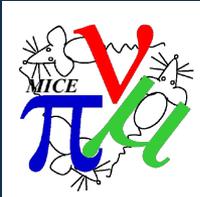




Key Dates



TASK	DATE
RF Module vacuum vessels delivered to LBNL	December 2015
First RF module arrives at RAL	May 2016
Second RF module arrives at RAL	June 2016
Partial Return Yoke extension arrives at RAL	January 2016



Personnel on RF



Name	Institution	Approx. MICE/MTA %	Activities
Technicians (RF Module)	LBNL	150%	RF Module
Pierrick Hanlet	IIT	25%	Control System
Alan Bross	FNAL	50%	Construction Mgmt, Exp. Support
Terry Anderson	FNAL	90%	RF Module Vacuum, MTA Support
Milorad Popovic	FNAL	80%	Exp. Support, RF Module
Mark Palmer	FNAL	20%	Construction Mgmt, Exp. Support
Tim Loew	LBNL	50%	RF Module
Tianhuan Luo	LBNL	50%	RF Module, MTA Support
Yagmur Torun	IIT	50%	RF Module, MTA Support
Daniel Bowring	FNAL	50%	RF Module, MTA Support
Katsuya Yonehara	FNAL	40%	MTA Support
Alfred Moretti	FNAL	40%	RF Module, MTA Support
Dave Peterson	FNAL	35%	RF System, MTA Support
Derun Li	LBNL	25%	RF Module
Richard Krull	FNAL	10%	Project Controls
Ralph Pasquinelli	FNAL	20%	RF Module
Peter Garbincius	FNAL	15%	Project Mgmt

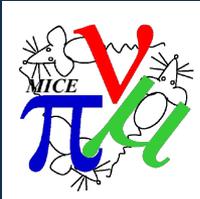
Total ~ 12 FTE
RF effort up to
delivery @ RAL

~1 additional year
of effort for install
& commissioning.



~10 FTE total
(includes exp.
support)

All personnel
Identified except
for Fermilab
Postdoc (TBN'd)



Risk Table



All Risks Retired

RISK	STATUS
Additional magnetic issues found with design and surface treatment of MICE 201 MHz Couplers.	Retired. Tests in the MTA with the SCTS indicate no issues operating in B field.
RF Module #1 & #2 Integration Issues at RAL.	Retired. SCTS assembly and test successful
RF x-ray emission from cavity effects performance of fiber tracker	Retired. Tests in the MTA with the SCTS show that radiation levels at MICE gradient (& above) present no problem for the trackers → Data Quality