

MICE CM32

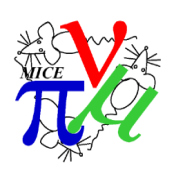
Schedule summary



- *Schedule update*
- *Main schedule drivers*
- *Keeping us on schedule*
- *Comment on Steps V & VI*
- *Conclusion*

Andy Nichols, STFC, 10/2/12

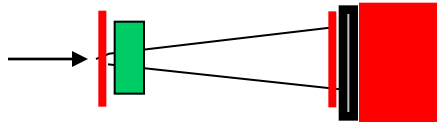




MICE SCHEDULE
update February 2012 V1

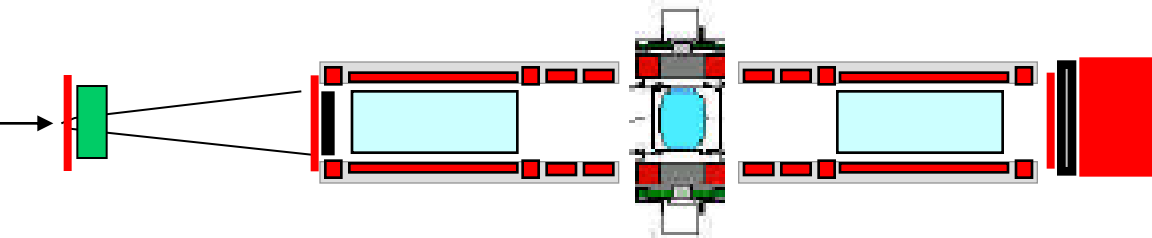
Run date 

μ



STEP I

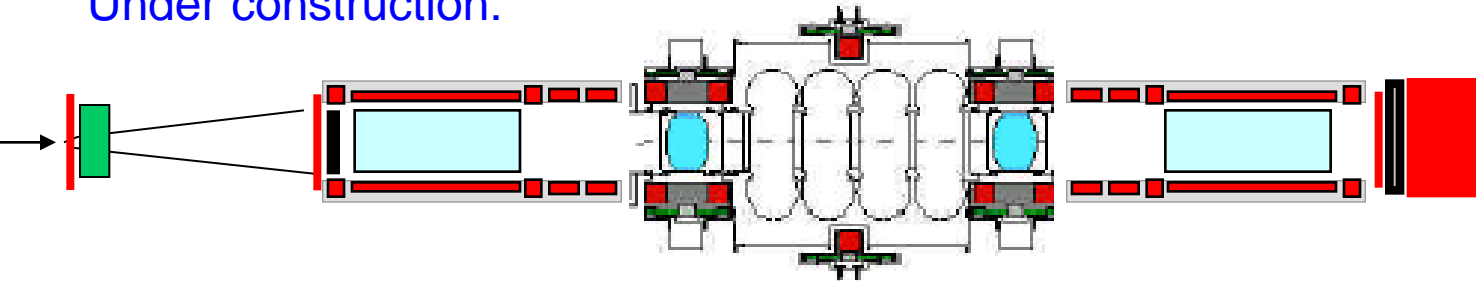
EMR run Q2 2012



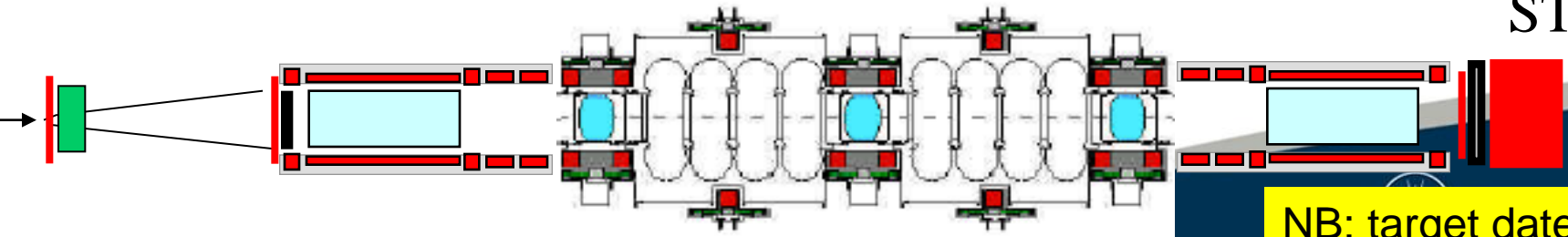
STEP IV

Q4 2012
and 2013

Under construction:



STEP V



STEP VI

NB: target date 2016

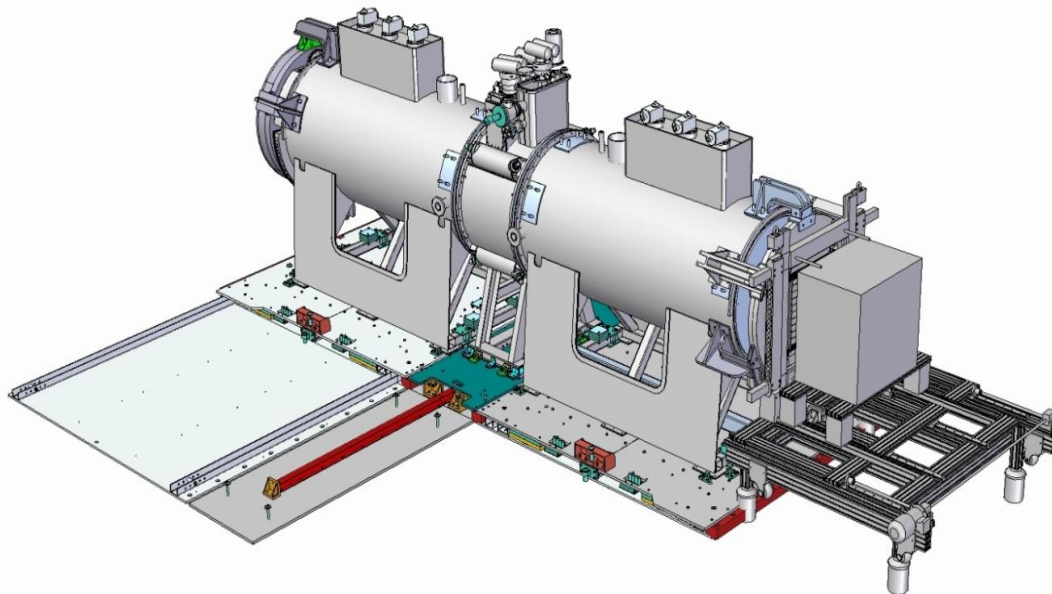
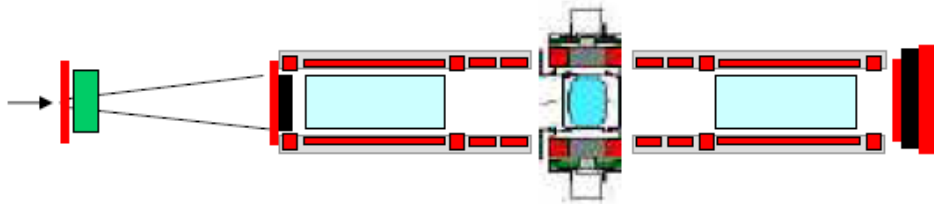
MICE Top-Level Project Schedule

- *Step IV*
- *Step V*

- *Revision date: 10th February 2012 (CM32)*

- *Note: items in red text are key schedule drivers*
- *Items in orange text are high risk items*
- *Items in Green text are complete*

STEP IV

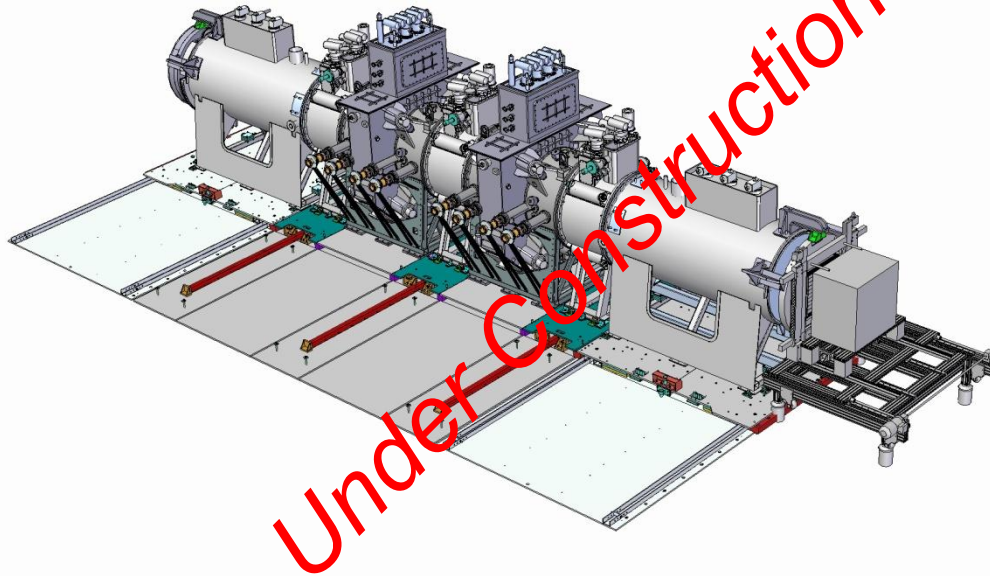


Subsystem	Date
Spectrometer solenoid #1 + #2	Sept'12
Fibre tracker #1 + #2	Ready
Focus coil #1	Apr'12
LH ₂ system A	May '12
Solid absorber(s)	June '12
Liquid absorber	Ready
Diffuser	Aug'12
Virostek plate & TOF cage assy	Feb. '12
Substation upgrade	Ready
EMR installation	May'12
Radiation shutter	June '12
AFC Moving platform #1	Ready
SS platforms Installation	June '12

Step IV ready...Q1, 2013



STEP VI



Subsystem	Date
Absorber Focus Coil #2	Q3 2012
LH2 system B	Q1 2013
RF Amplifiers	Q3 2013
RF Infrastructure	Q3 2013
Successful test of first CC coil	Q3 2012
RFCC delivery plan complete	
AFC Moving platform #2	Q4 2012
RFCC Moving platform #1	Q4 2012

Step VI target date....2016



Main schedule drivers

- *Put very simply, for Step IV it is:*
 - *Spectrometer solenoid 1 & 2*
 - *AFC 1*
 - *Liquid hydrogen delivery system*
 - *EMR*
- *These items are all in their final stages of manufacture and are scheduled for this year*
- *Other important items are:*
 - *Diffuser*
 - *Radiation shutter*
 - *Solid absorbers*
 - *Magnetic measurements*
- *Again, much of the work is done....*

Comment on Steps V & VI

- *As before, we still cannot predict a delivery date of Step V until we have a robust delivery plan for the Coupling magnets*
- *But there has been some welcome progress:*
 - *Cryostat review now fixed for Feb 29th*
 - *Coil #1 cold test preparations are well advanced*
 - *Good feedback from Industry (Meyer Tool) on fabrication*
 - *Discussions on delivery plan started - CERN large magnet group and DL involved – very early days, hope to follow up after Feb 29th review*
- *We have been asked to submit a major Step V & VI readiness review when Step IV is complete, ie, beginning of 2013*
- *It will have to contain the above, and much more....*
- *A major opportunity for the project*

Keeping us on schedule

- *This year luckily we are focussed by the deliveries of large items, we have to*
 - *Understand the detailed integration very closely*
 - *Not ignore services and pipework*
 - *Or general moving things about, eg, dewars and transfer lines*
 - *First planning workshop held on 3rd Feb, more planned this year; relevant people need to attend in person – no phone link envisaged*
 - *Weekly Hall meetings need emphasising – attendance has always been good though*
- *Equally important are people:*
 - *Each subsystem must nominate the person(s) who will support it during both installation and running*

MICE Major Milestone Status

Revision date: 1/2/12 (MICO 175)

	Milestone complete
	>30 days away
	<30 days away
	Passed & not complete

Upstream spectrometer solenoid – Steve Virostek/Roy Preece

Task	Baseline	Status	Revised baselines												
Cold mass aligned to vacuum vessel survey points - COMPLETE	02/11/11		17/1/12												
Vacuum vessel closed	22/12/11		14/2/12												
Ready for training	09/1/12		14/3/12												
Ready for shipping	13/2/12		27/4/12												
Arrival at RAL	26/3/12		08/6/12												

Downstream spectrometer solenoid – Steve Virostek/Roy Preece

Task	Baseline	Status	Revised baselines												
Cold mass on support beam - COMPLETE	02/11/11		17/1/12												
Assembly starts	21/12/11		28/2/12												
Cold mass aligned to vacuum vessel survey points	16/2/12		27/3/12												
Vacuum vessel closed	09/3/12		18/4/12												
Ready for training	13/4/12		18/5/12												
Ready for shipping	25/5/12		03/7/12												
Arrival at RAL	03/7/12		14/8/12												

- *Re-organised MICO meetings working well*
- *Six top level milestones for each important deliverable tracked weekly*
- *Many thanks to Gail Hanson for making it all work*

Conclusion

- *This summary is normally quite difficult to deliver*
- *But this time I feel more relaxed, because:*
 - *Realistic planning has paid off*
 - *Schedule float has been added*
 - *Delivery expectations are sensible*
 - *Manpower has been reinforced in critical areas (although we still need more)*
- *So thanks everybody!*