



System test

Aim: Good operation and integration of RF system in the MICE hall and in the MICE experiment.

Do it soon enough so that remaining flaws or dont-know-how-to-do issues are identified as early as possible.

Only sensible place to do is MICE hall

After Step Iv is completed

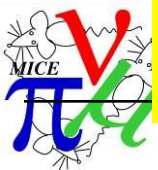
Best is if cavity (ies) are in the final position so that we dont have to modify the planned RF piping for it.

Dont need the magnetic fields for this particular exercize

Beam could be useful

Solution 1: single RF vessel

Solution 2 4-cavity RF vessel without CC if this is possible



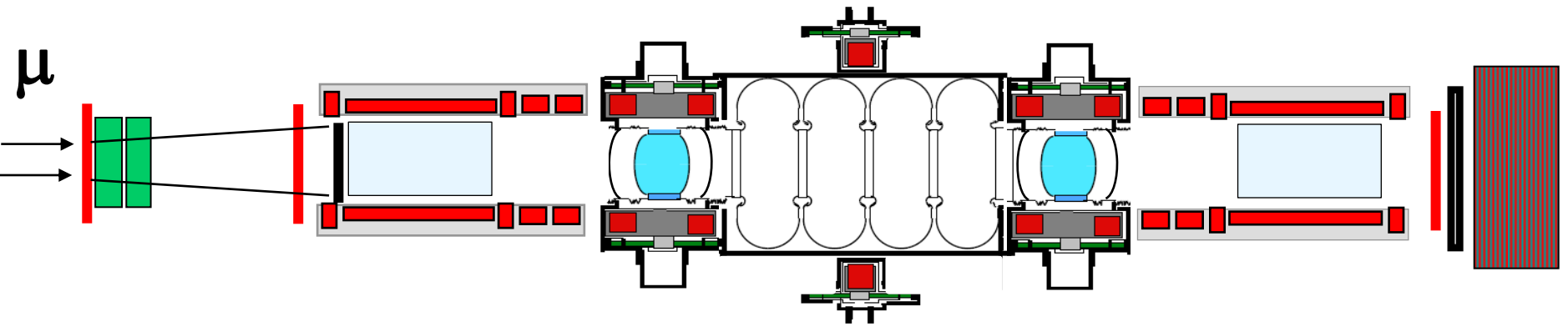
Example Sketch of RFCC production plan under discussion **in red** new info at this meeting

		2012	2013	2014	2015	2016
Finalize drawings	LBNL					
Fab. Cryostat parts	LBNL					
Order mod Conductor	LBNL/FNAL	only if needed				
Prepare STF	FNAL					
Wind coil	Qi Huan					
Test coil	FNAL					
Assemble cryostat	LBNL		Mucool	M-1	M-2	
CC cryo'ting + test	LAB *)			Mucool	M-1	M-2
RF module 1	LBNL			testing of cavities still unclear		
RF system test	RAL			Range		
RFCC assembly	RAL, R9				M-1	M-2
RFCC installation	RAL R5				M-1	M-2
Run			Step IV	Mucool		Step VI

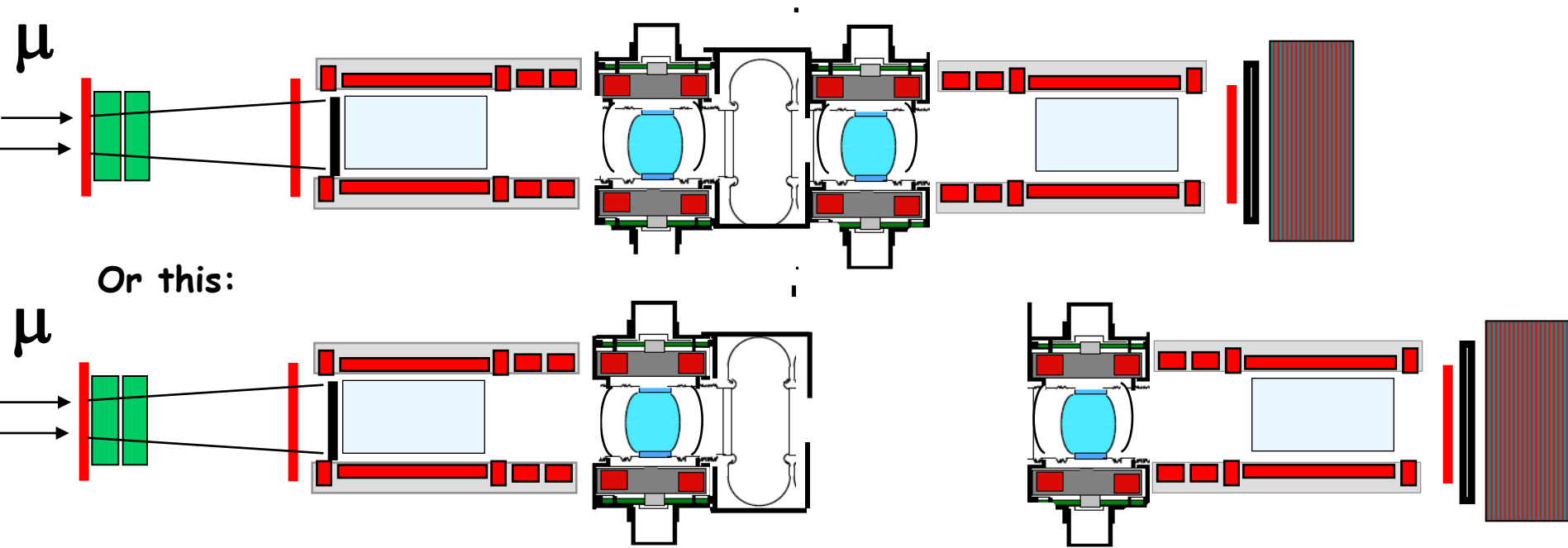
*) LAB could be LBNL, **CERN**, FNAL ... under discussion. Single place best (**LBNL**)

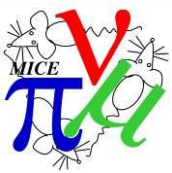


Step V, nominal



Solution 1 using a copy of the single cavity RF vessel





solution 2: RF system test RFCC module without CC magnet ?

