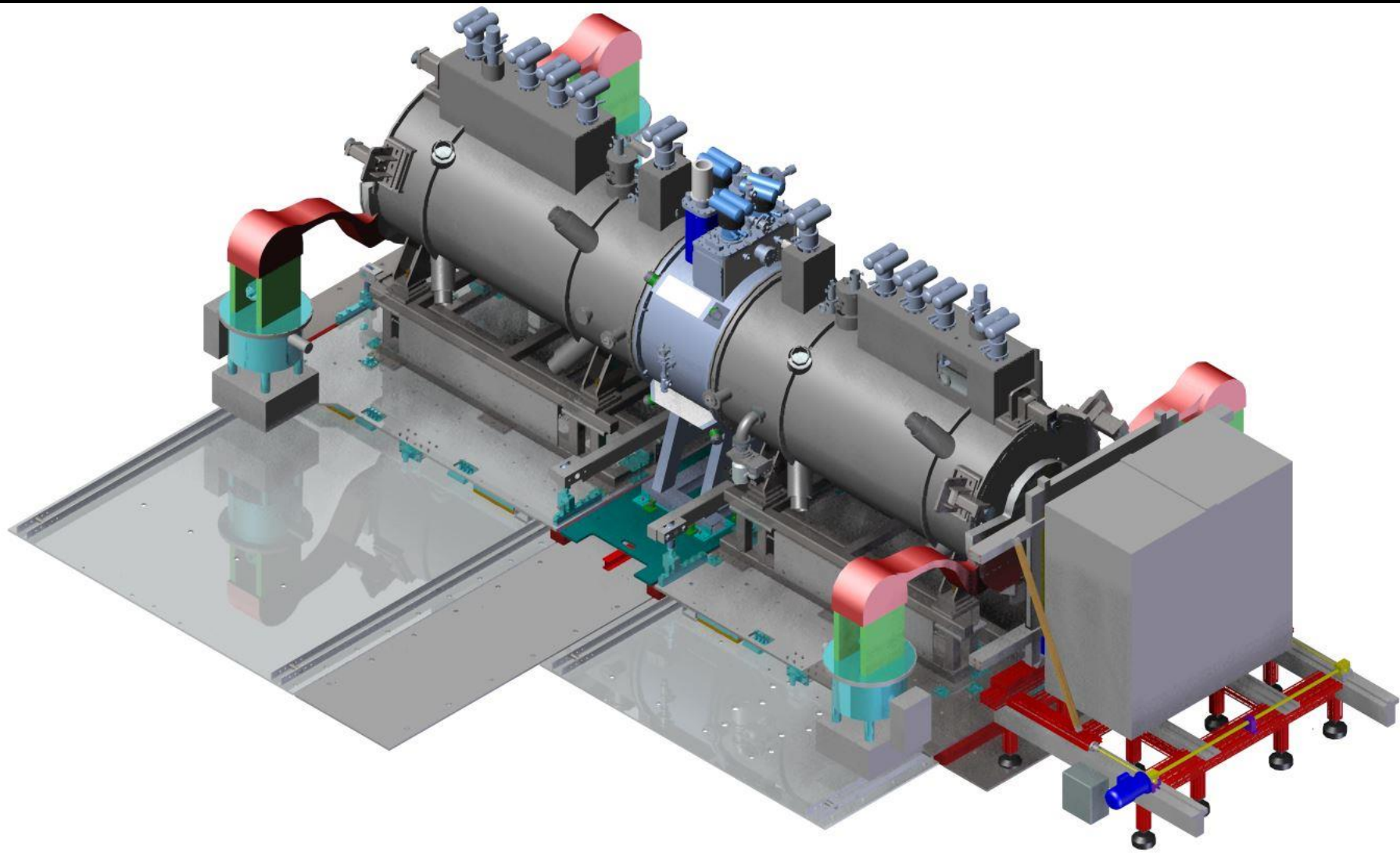
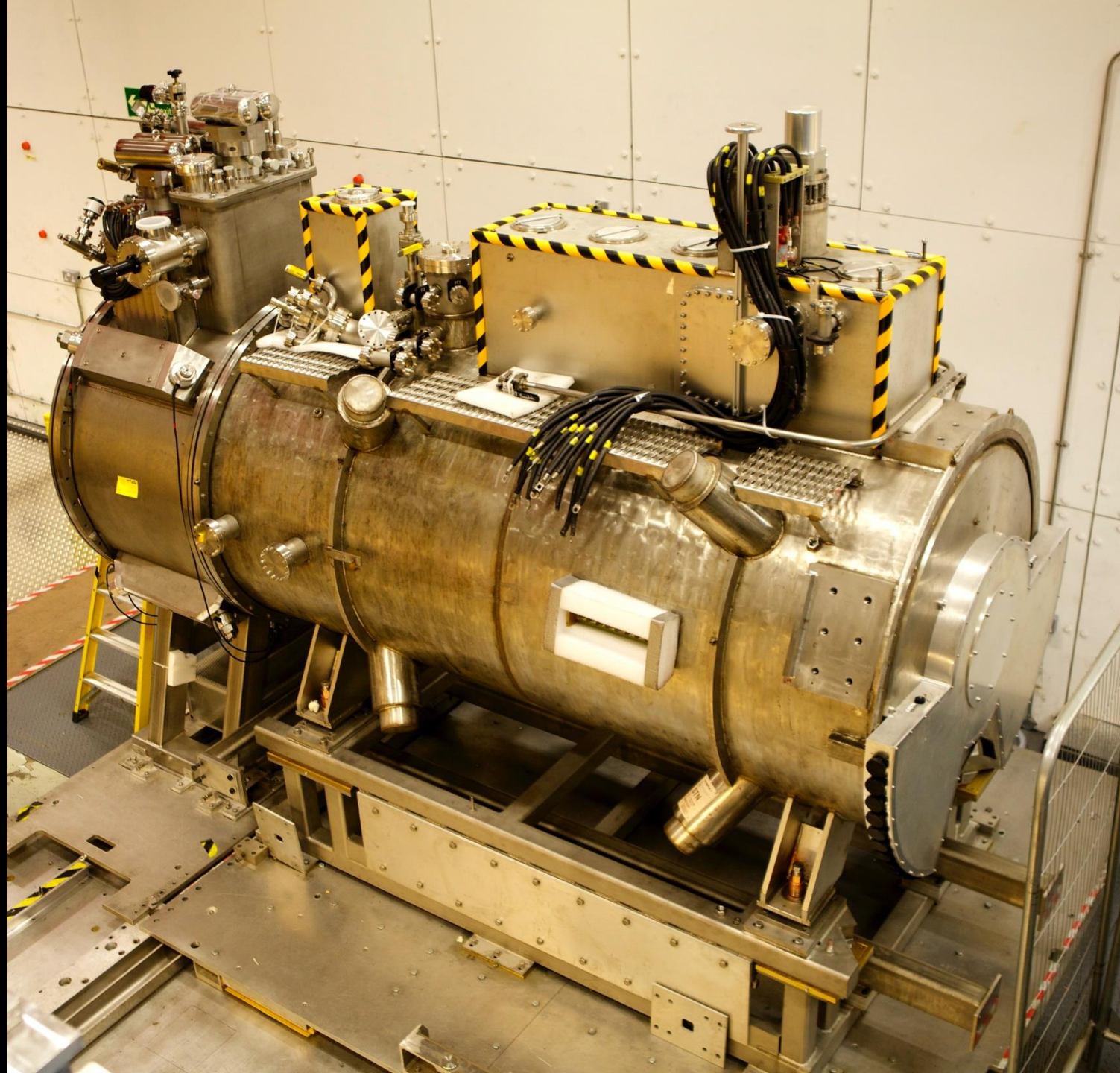


# Closing remarks





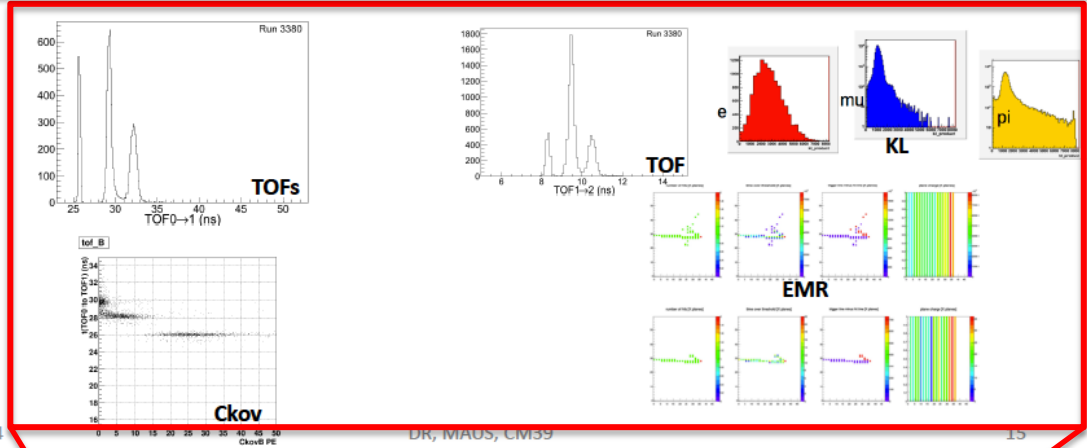
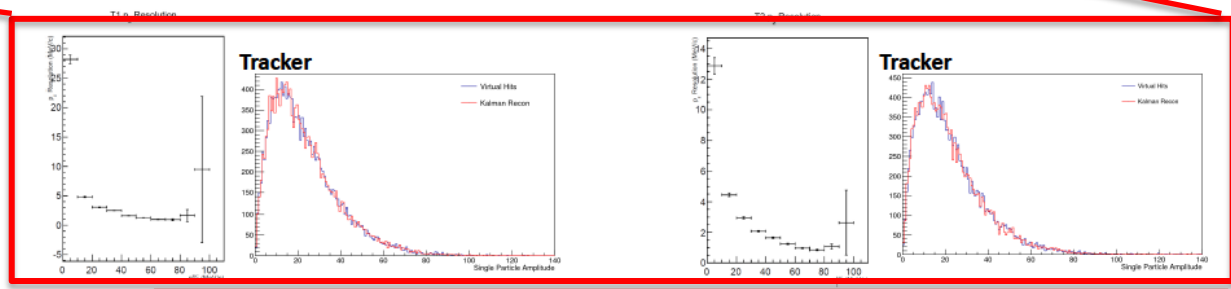


Parameter	Monte Carlo	Reconstructed	Deviation
Emittance Upstream	5.885 mm	5.887 mm	0.03%
Emittance Downstream	5.655 mm	5.658 mm	0.05%
Beta Upstream	337.5 mm	336.0 mm	-0.4%
Beta Downstream	491.0 mm	481.4 mm	-1.9%
Number Upstream	16737	16737	0.0%
Number Downstream	16737	16737	0.0%



## UPSTREAM

## DOWNSTREAM



6/27/14

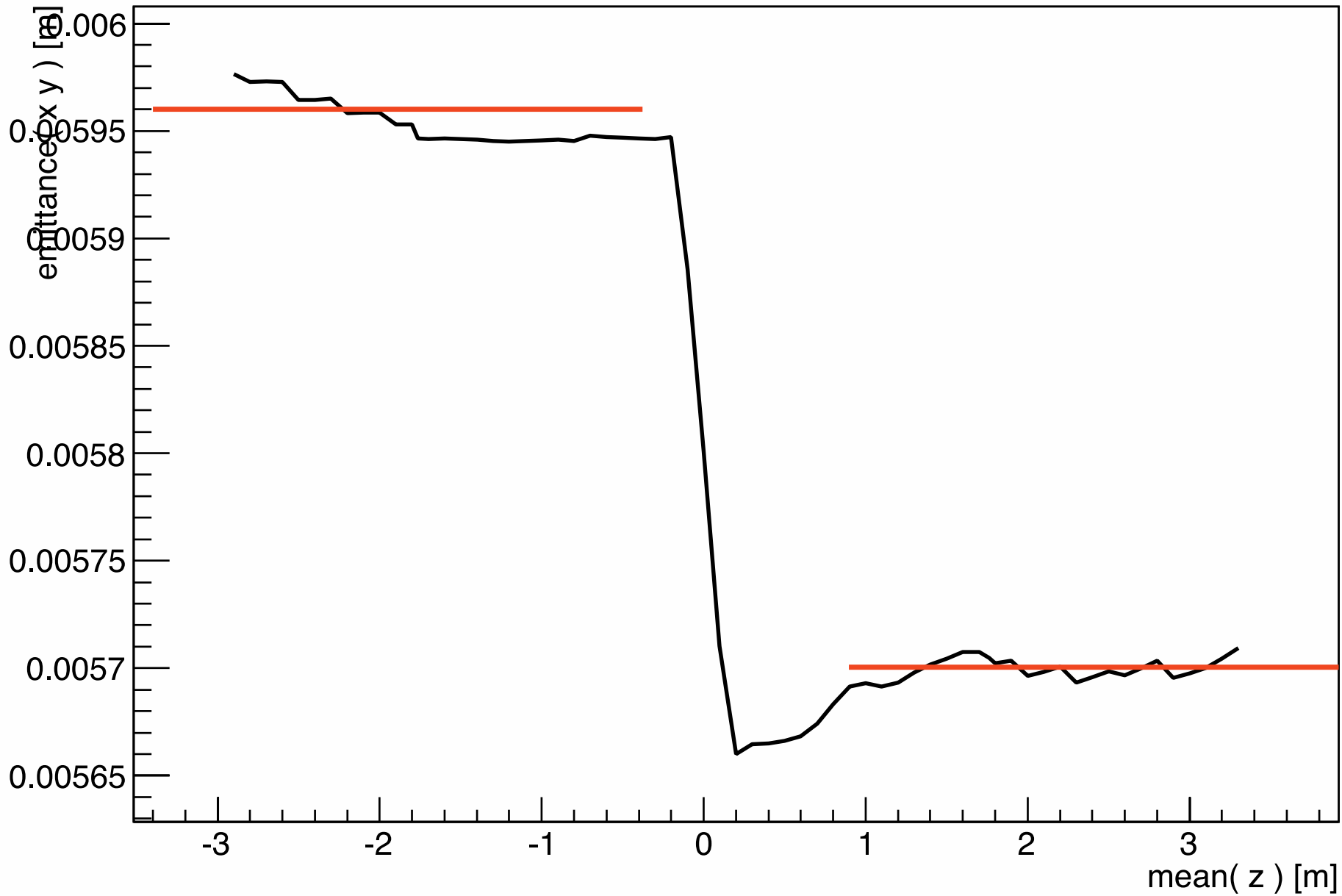
UR, MAUS, CM59

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Monte Carlo Cuts:

- Hit aperture cut:  $r < 189\text{mm}$  (Width of the Tracker module)
- PID selection: Only Positive Muons (PID = -13)



# Step IV:

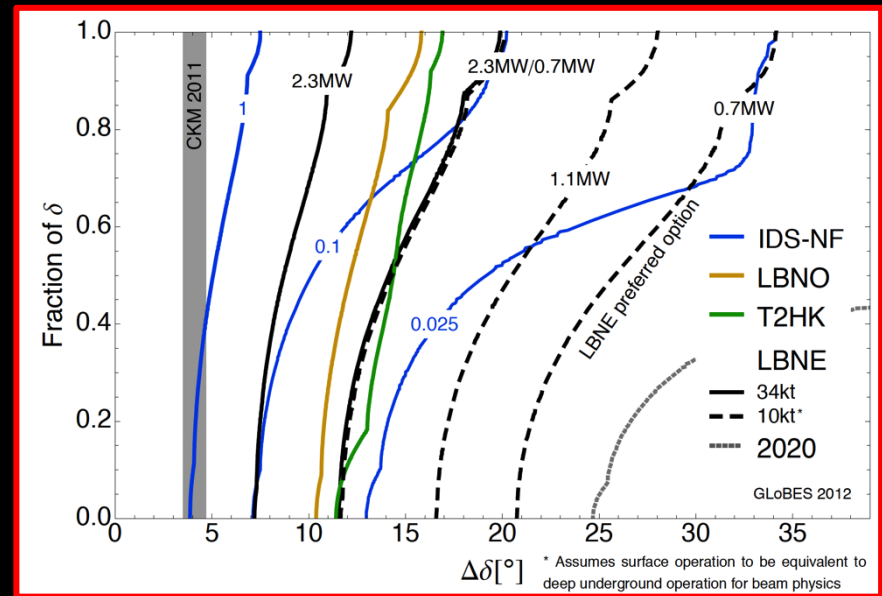
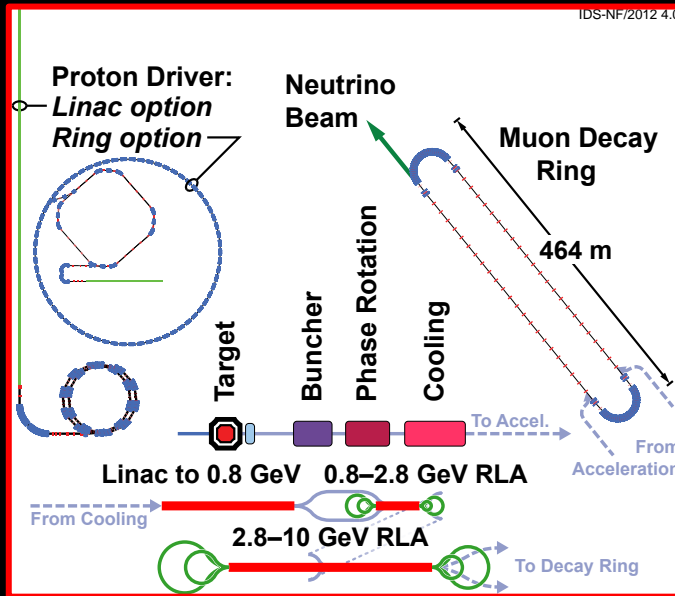
- The elements are coming together:
  - MICE Muon Beam:
    - Complete!
  - Tracker module:
    - Spectrometer solenoids:
      - One completed and installed, the second awaits installation of tracker;
    - Absorber/focus-coil module:
      - Focus-coil installed
      - Activity on absorber, Lh2 etc. now being ramped up
  - S/w&C:
    - MAUS:
      - In good shape: time to use it to prepare for Step IV physics analysis
    - Online:
      - “In good shape”: need to gather completion/commissioning schedule to be sure
    - C&M:
      - Also in good shape: clear pressure on central development team (PMH, CH); need to take discuss
  - Physics:
    - Step I papers being pushed towards completion:
      - Crucial!
    - Preparations for Step IV analysis gathering momentum:
      - Don't be left behind!

## Step V:

- **Construction on expedited schedule:**
  - **Outlined in plenary (Long, Preece, Bross);**
  - **If possible a “win all round”;**
  
- **Securing Step V:**
  - **Need to make sure we’re well organised for the August MAP/MICE review:**
    - **EB tomorrow ...**

# MICE and muon accelerators for PP:

- Muon accelerators have the potential to:
  - Make definitive measurements of neutrino oscillations at the Neutrino Factory;
  - Provide multi-TeV lepton-antilepton collisions at the Muon Collider
- Incremental development of the Neutrino Factory programme offers exquisite sensitivity and precision:



- **MICE:**
  - Proof of principle of ionization cooling;
    - A critical enabling technique
  - We can deliver a key part of the capability required to deliver a new technique for particle physics



# Next collaboration meetings:

- **2014:**
  - **Rome: October 2014**
  
- **2015:**
  - **RAL: CM41 09th to 13th February 2015**

## And finally ...

- Thanks once again to the local organisers:
  - Sam Vannecek
  - Jan Hennessey
  - Derun Li
  
- Thanks for coming and contributing;
  - “Safe travels” ... and ...
  - Stay focused on the prize!