

# MuCool/MICE Coupling Coils

- As you know, we are starting down the path to test MuCool/MICE magnet windings (cold-mass)
  - Need 3 magnets
    - One for the MuCool RF program at Fermilab and two for MICE
  - Produce & test 4 coils/cms.
- The first magnet is for MuCool & will be used here
- What is the effort needed to
  - Assemble and Test this first complete magnet at Fermilab?
  - Of course, we also need total effort:
    - Setup test system
    - Test coils
    - Assemble and test full CC 1

# A Top level plan

- Our working assumptions:
  - All cms built in China
  - All parts built in China
    - Cold-mass supports may be outsourced to Wang NMR
  - QA plan for parts to be developed by Qi Huan Co.
    - *Some QC will need to be done at point of assembly*
- My (the Director may disavow) preferred plan for MICE magnets (CC2 & CC3)
  - Assembled and tested in the UK from Chinese parts & using tested windings

