

# TD C0 IR Cost and Schedule Status

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-  Quadrupoles
  -  Cold Mass
  -  Cryostat
  -  MTF Test Stand
  -  Fabrication & Test
-  Spools
  -  HTS Leads
  -  Correctors
  -  Spool Assembly
-  Contingency Analysis

# Cold Mass

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- ✍ Detailed estimates for M&S have been provided by F. Nobrega. These estimates have been entered into the Open-Plan (~ 100 lines)
  - ✍ The estimates have to be reconciled with numbers in the official version which are based on top down approach
- ✍ We had a meeting yesterday to discuss about the cold mass tooling
  - ✍ Updated the list of tooling that needs to be designed and/or modified
  - ✍ We will meet in three weeks to update the cost and schedule estimates for the tooling

# Cryostat

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- ✍ We now have G. Lanfranco and Frank M. working with T. Nicol in the cryostat group
- ✍ Overall cost estimate has not changed since CD1. However we still have to develop a more detailed estimate together with basis of estimate for Cryostat
- ✍ Cryostat tooling ?????

# MTF Test Stand

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- ✍ The cost estimate for Stand 6 has not changed from CD1.
  - ✍ We have a basis of estimate from Tom P.
  - ✍ Any revisions or update to these estimates????
- ✍ Stand 2 and data acquisition system – still waiting for the input
- ✍ John Tompkins will talk more about MTF in the next talk..

# HTS Leads

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- ✍ The cost and schedule has been updated to reflect one pair of HTS leads per Spool with 10 kA rating
  - ✍ Assumed cost per pair is \$85 k. Note that the escalated cost per pair for 6 kA leads was \$55 k
  - ✍ Basis of estimate????
- ✍ Total number of leads reduced to 11 (6 + 3 + 2)

# Correctors

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- ✍ The total cost as well as the profile needs to be revised based on the vendor selected
  - ✍ This will happen after IHEP visit in mid-August
- ✍ We also need to develop a cost estimate for CERN/FNAL approach - cost estimates for new test stand and corrector fabrication at an outside vendor
- ✍ We need to converge on correctors shortly after the IHEP visit

# Spool Assembly

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- ✍ The total numbers of spools have reduced from 15 to 14 (one less spare)
  - ✍ Decision regarding X1V and X1H has not been made yet. We need to consult BNL & IHEP on this
- ✍ Spool fabrication study is underway – plan to send out information package to vendors by the middle of July
  - ✍ The goal is to get information about cost and schedule for spools. Also gauge vendor interests
  - ✍ This will also provide basis of estimate for CD2
- ✍ Don Arnold (designer) has joined the group. A new engineer will join soon

# Contingency Analysis

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- ✍ We still have to do bottom's up contingency analysis
  - ✍ Guidelines for both Labor and M&S contingency are available from BTeV management
- ✍ I will make a first attempt to come up with the contingency numbers based on the guidelines and will circulate to the group