Workshop on high power targets at ORNL

- message from the research board
- layout of TT2A
- safety requirements

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Minutes from the research board

P186 Studies of a target system for a 4-MW, 24-GeV proton beam. The proposal is for a proof-of-principle test of a target station suitable for a Neutrino Factory or Muon Collider source, using a 24 GeV proton beam incident on a target consisting of a free mercury jet inside a 15 T capture solenoid magnet.

It was recommended for approval by the INTC on its scientific merits, but conditional on satisfactory resolution of issues concerning the implementation at CERN; in particular, concerns have been expressed by the Radiation Protection group.

The Research Board takes note of the recommendation, but before considering the experiment for approval requires further information on the support for the proposed test from the relevant scientific community, on the safety issues, and on the resources requested from CERN.

website

- http://proj-hiptarget.web.cern.ch
  - Contains all information on
    - Phone/video-confernces (links to HK, KMcD)
    - Layout/details on TT2A
    - Memos of private communication
    - Safety related documents
    - …

Website (2)

- Sitemap
  - Movies
  - Subsystems
    - Solenoid
    - Safety
      - …
    - LN2 circuit
    - Mercury loop
    - …
  - Layout:
    - ACAD drawings
    - Photographs
  - Important dates: minutes collected chronologically
  - …

Layout of TT2A

- See website layout
  - drawings
    - ACAD files (not up-to-date!?)
  - Photographs
    - Entrance TT2
    - Junction TT2/TT2A
    - TT2A tunnel
      - Solenoid location
      - dump

Safety requirements

- Contact people
- See website
- Subsytems/safety

- Safety sections
  - –Mechanics
  - –Radiation
  - –Chemicals
  - –Fire
  - –LN2
  - –…