Present status of mechanical design

Feb. 04, 2004
Principle

He filled gas tight box

10-cm thick aerogel radiator
Iron structure

15-mm thick plates
Gas tight welding
Nickel plated
Light collection devices

- Winston cones (aluminized plexiglas)
- 8 photomultipliers
- EMI 9356 KA (8 inch)
Magnetic shielding

1-mm Armco (mumetal)

5-mm soft iron

Double layer shielding against stray field
Not shown:

- 45° reflecting pyramid
- Aerogel box
- Entrance/exit windows
  - (10-mm honeycomb with one aluminium skin)
- Supporting structure
Details

- Optical glass window
- Wedge pieces covered with aluminized Mylar
- Gas tightness and fixation of glass windows
- O-rings