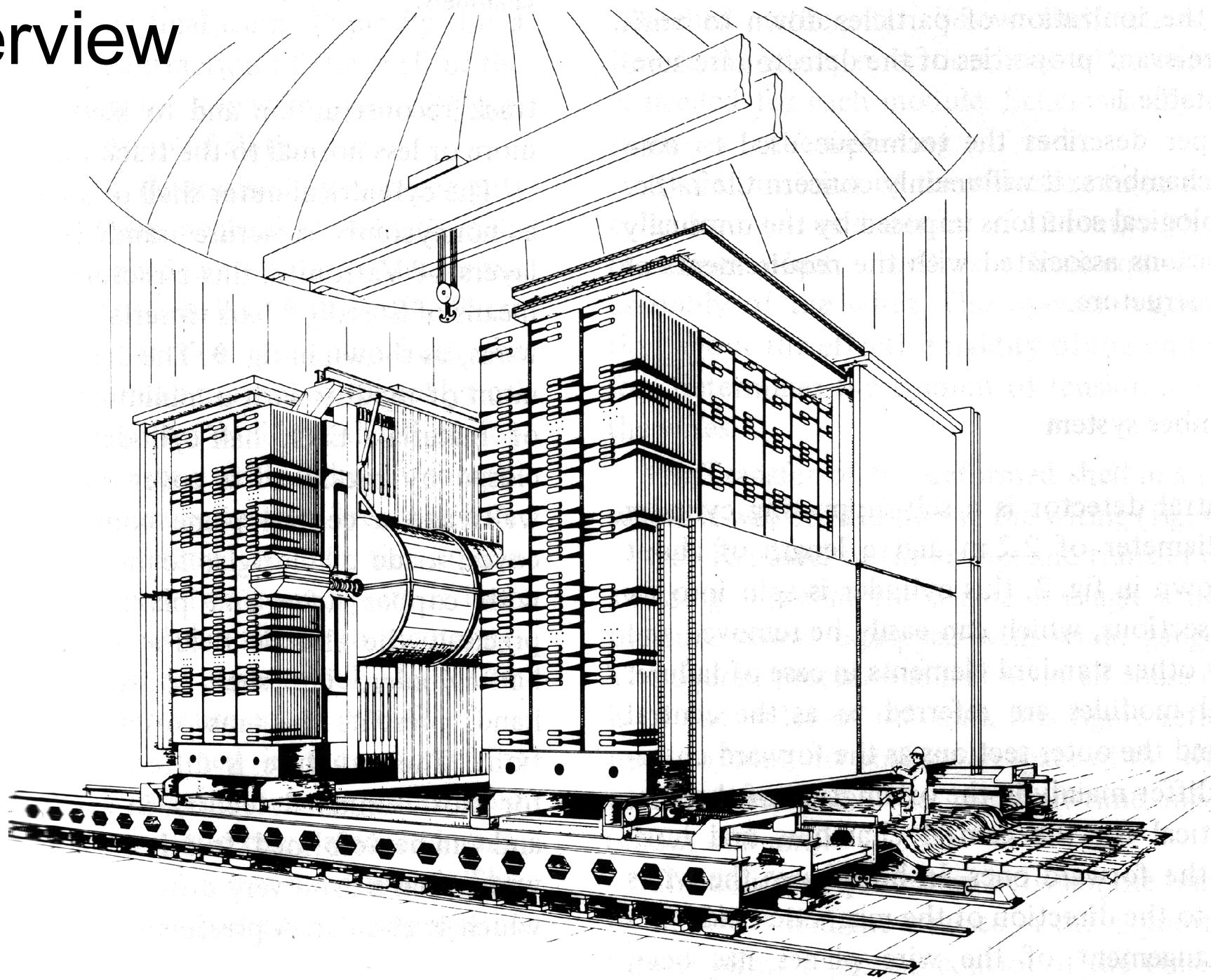


The UA1 detector

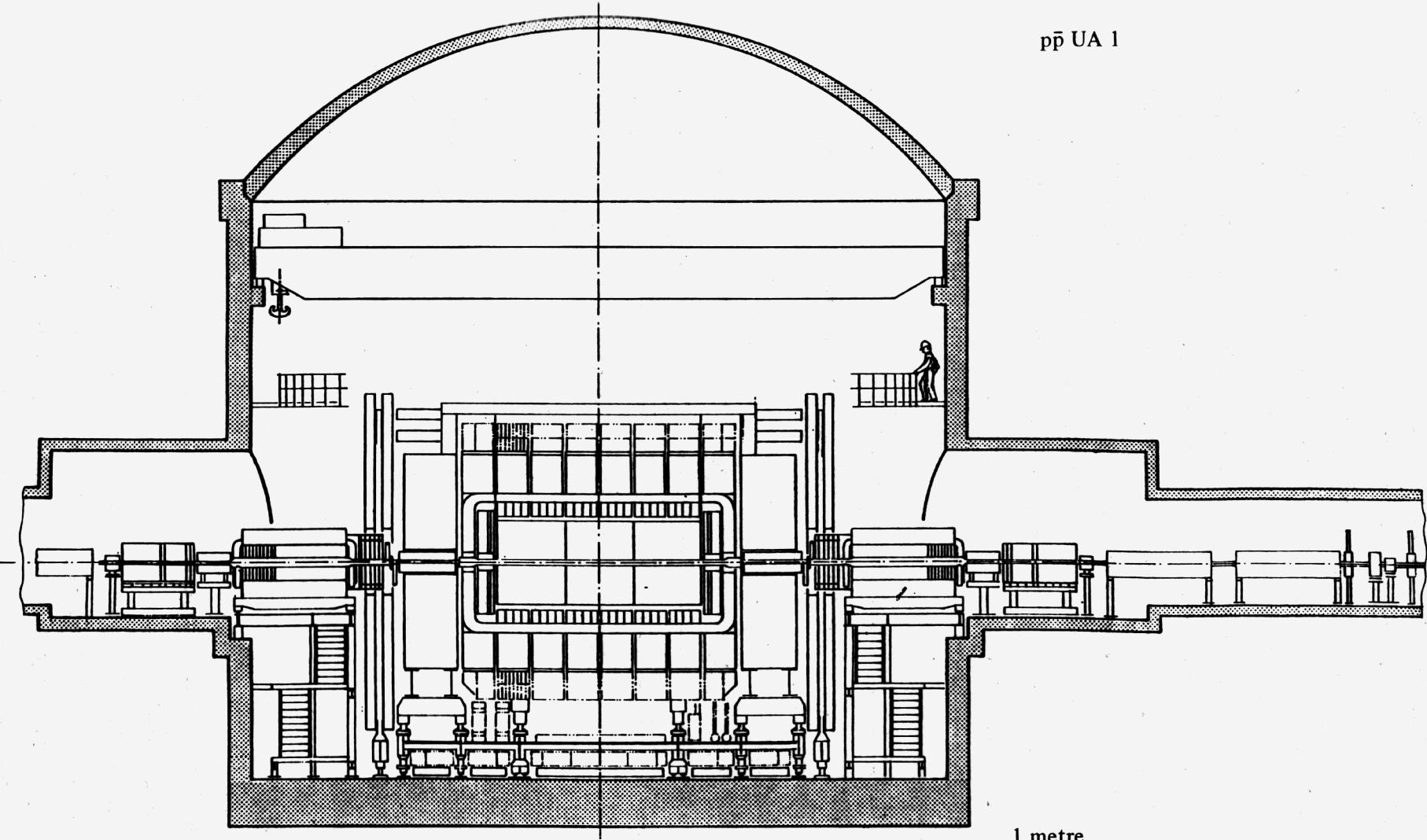
References:

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- C. Rubbia, Phys. Rep. 239 (1994) 241
The discovery of the W and Z bosons
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- K. Eggert et al, NIM 1976 (1980) 217
Large area drift tube chambers for a muon detector at the pbar p collider
- M. Barranco Luque et al, NIM 176 (1980) 175
The construction of the central detector for an experiment at the cern pbar p collider

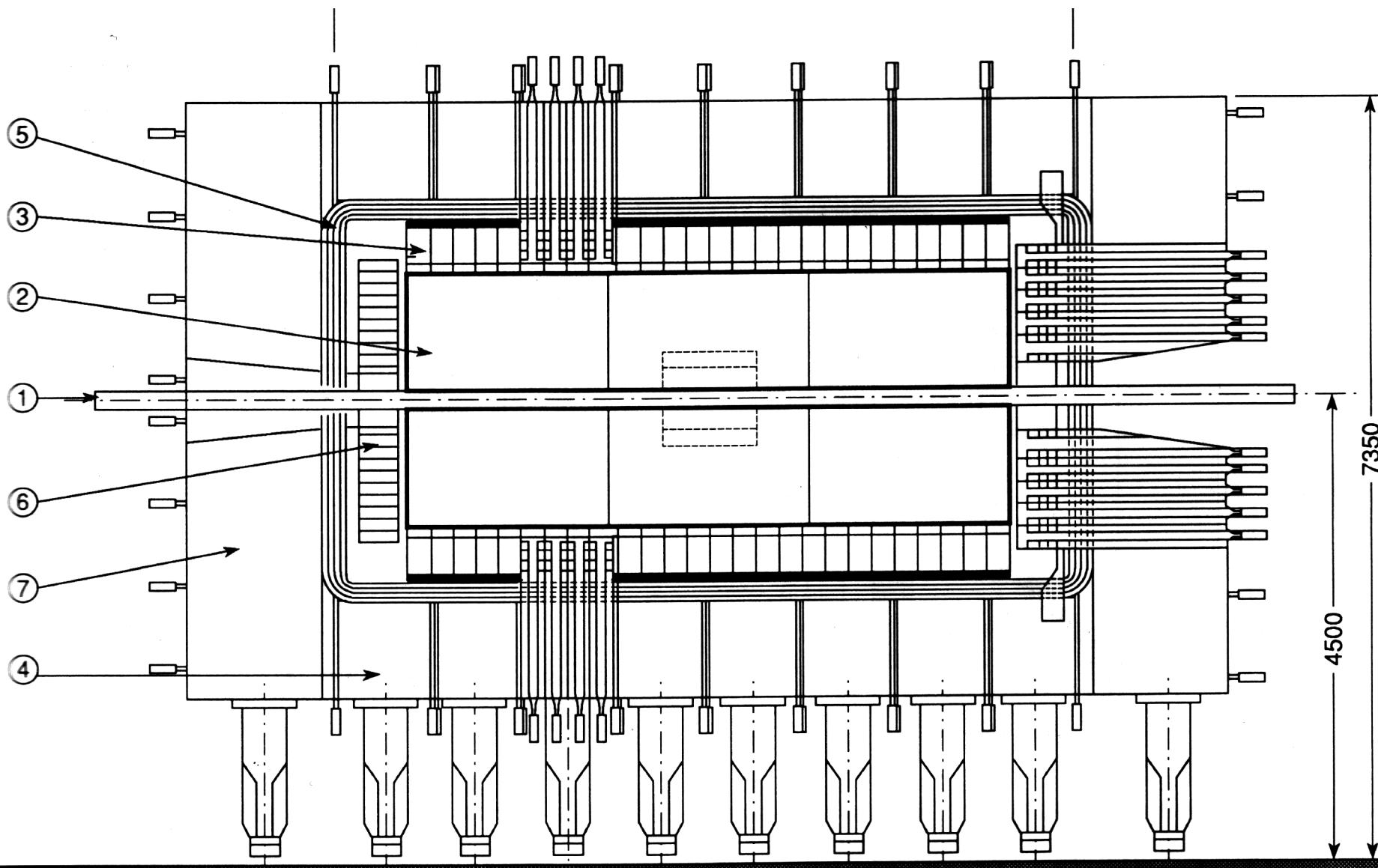
overview



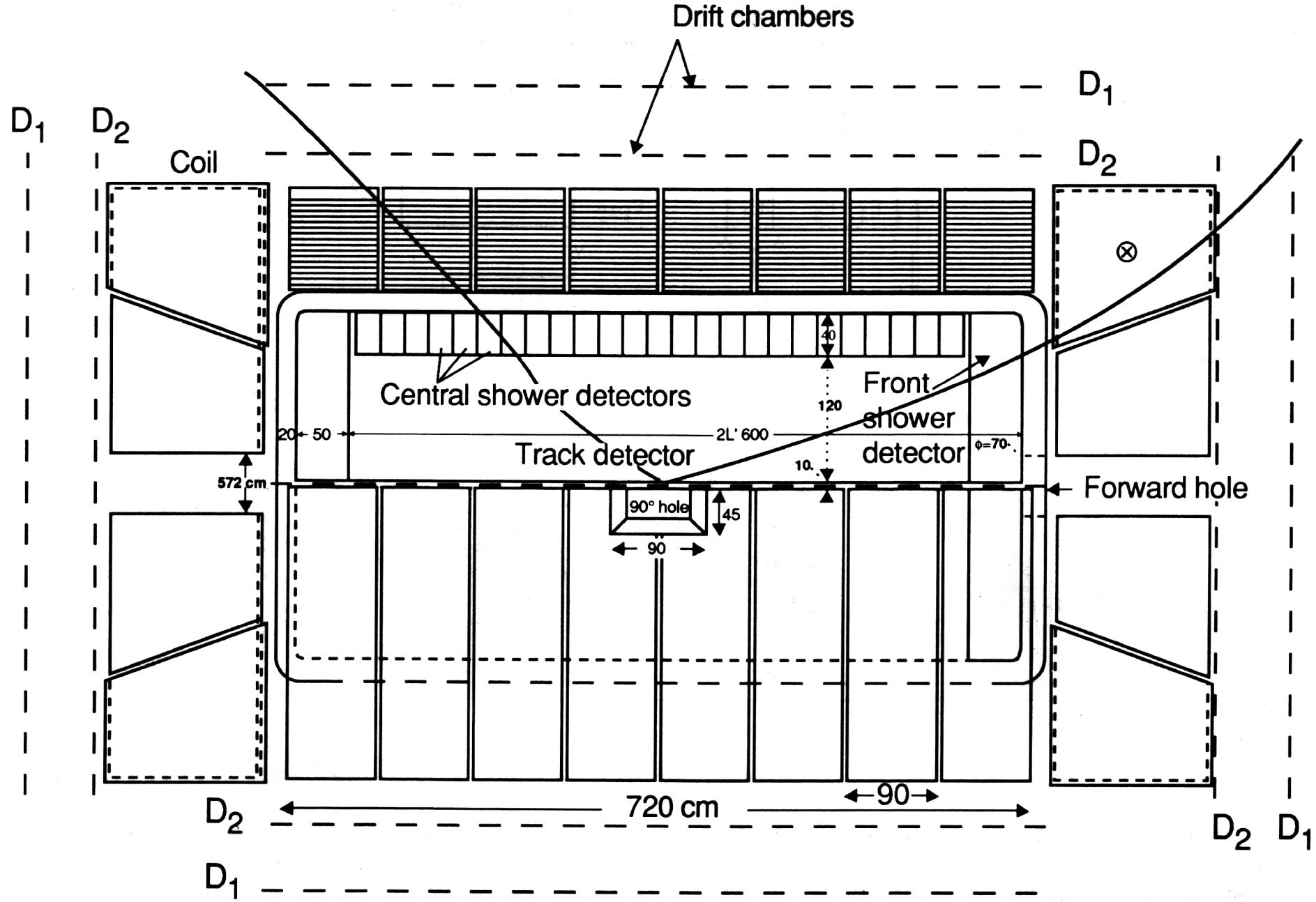
overview



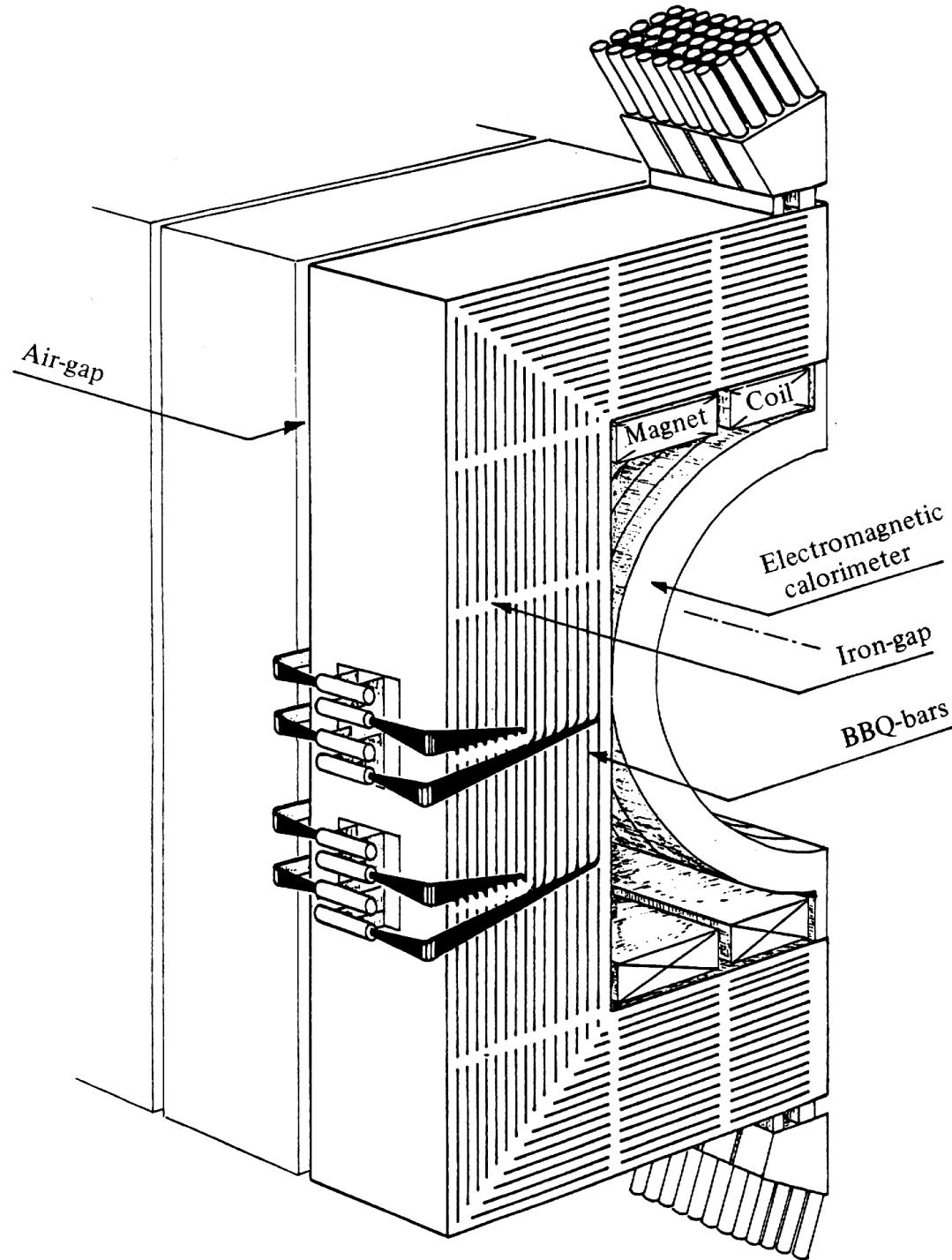
side view



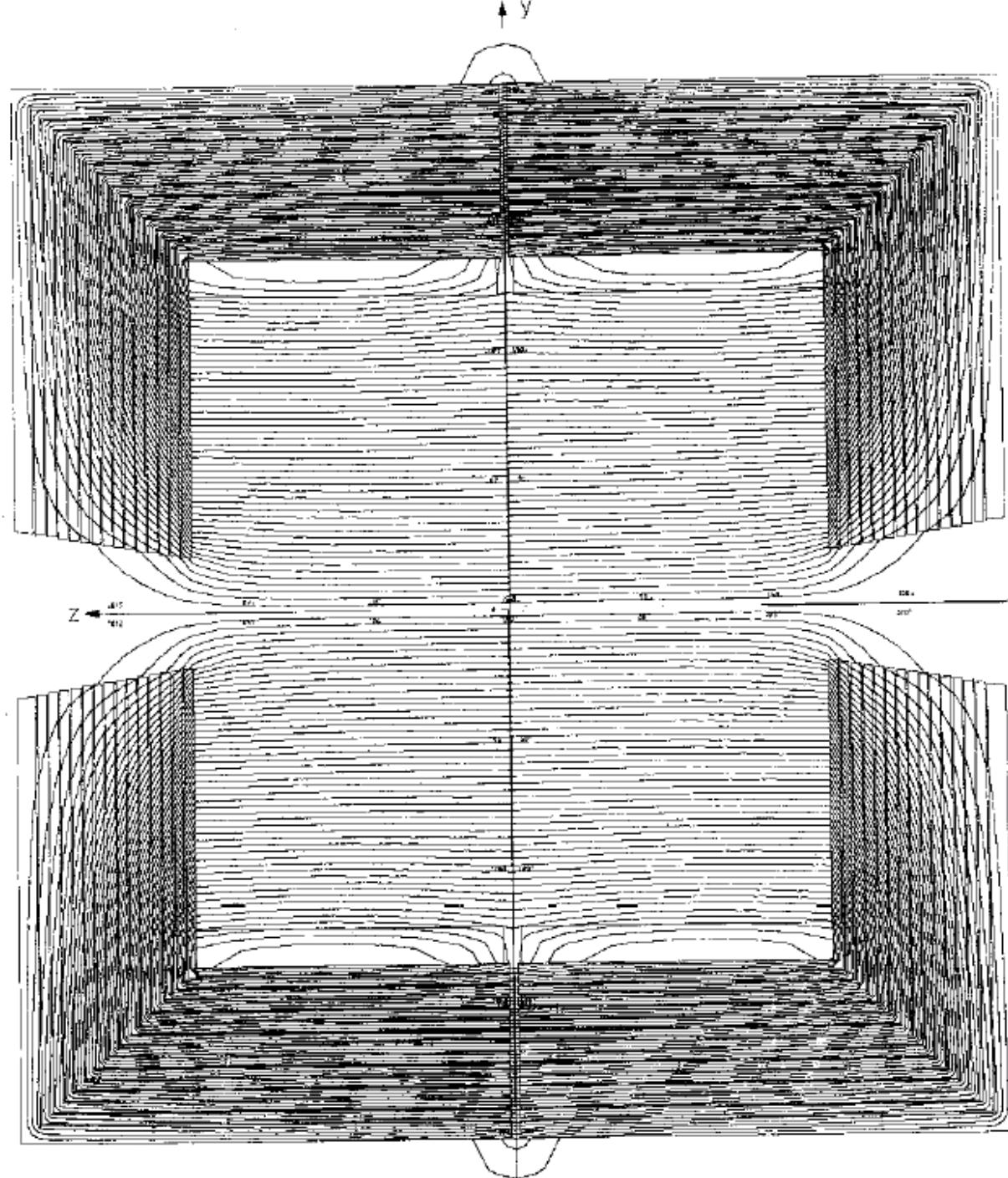
Side view with muon chambers



magnet and calorimeters

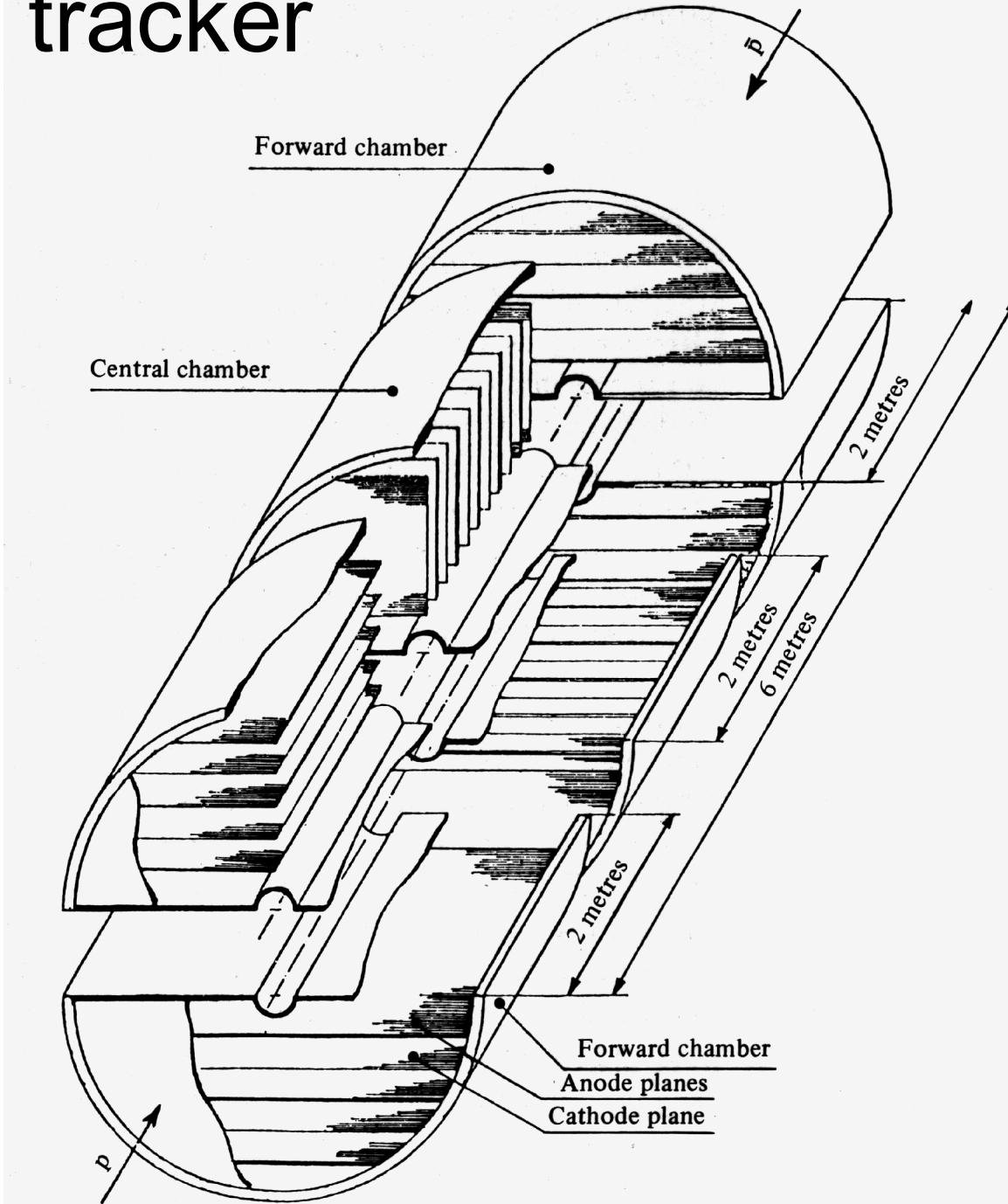


magnetic field



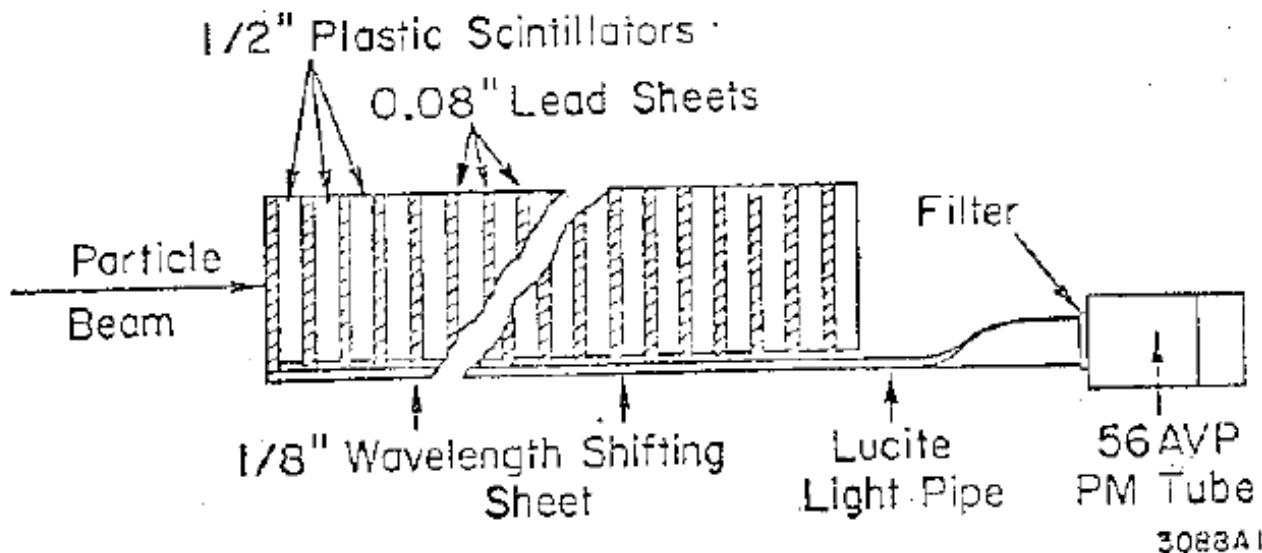
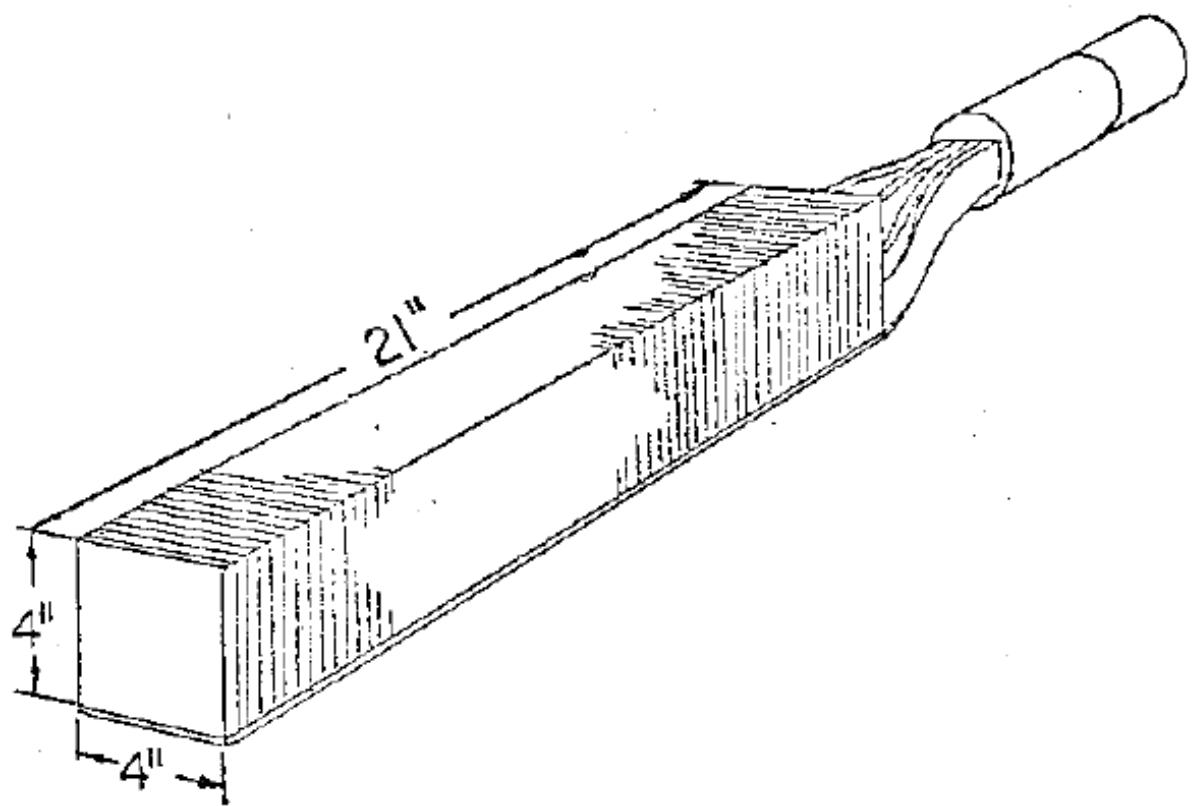
Central tracker

eker 2003-10

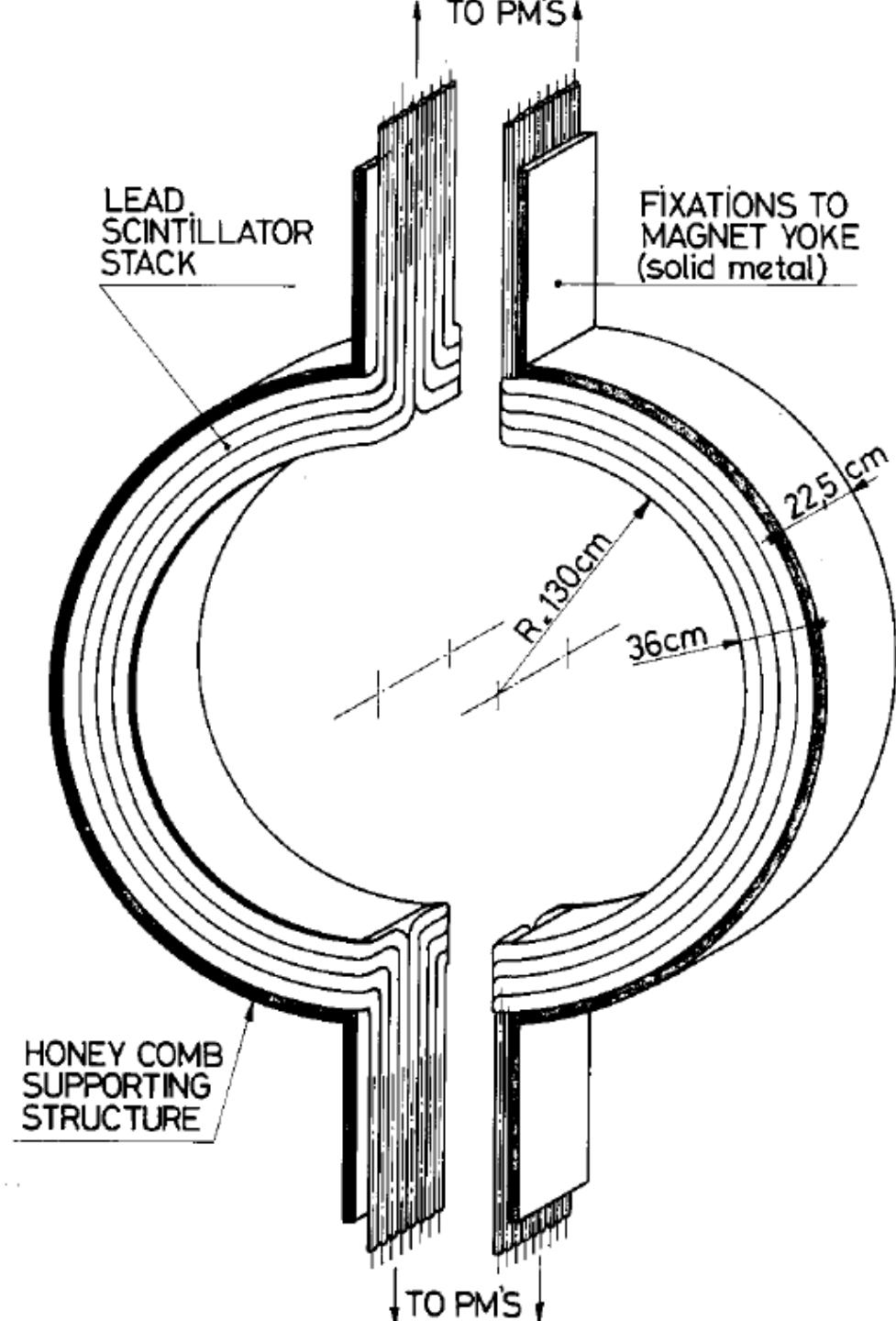


calorimeter

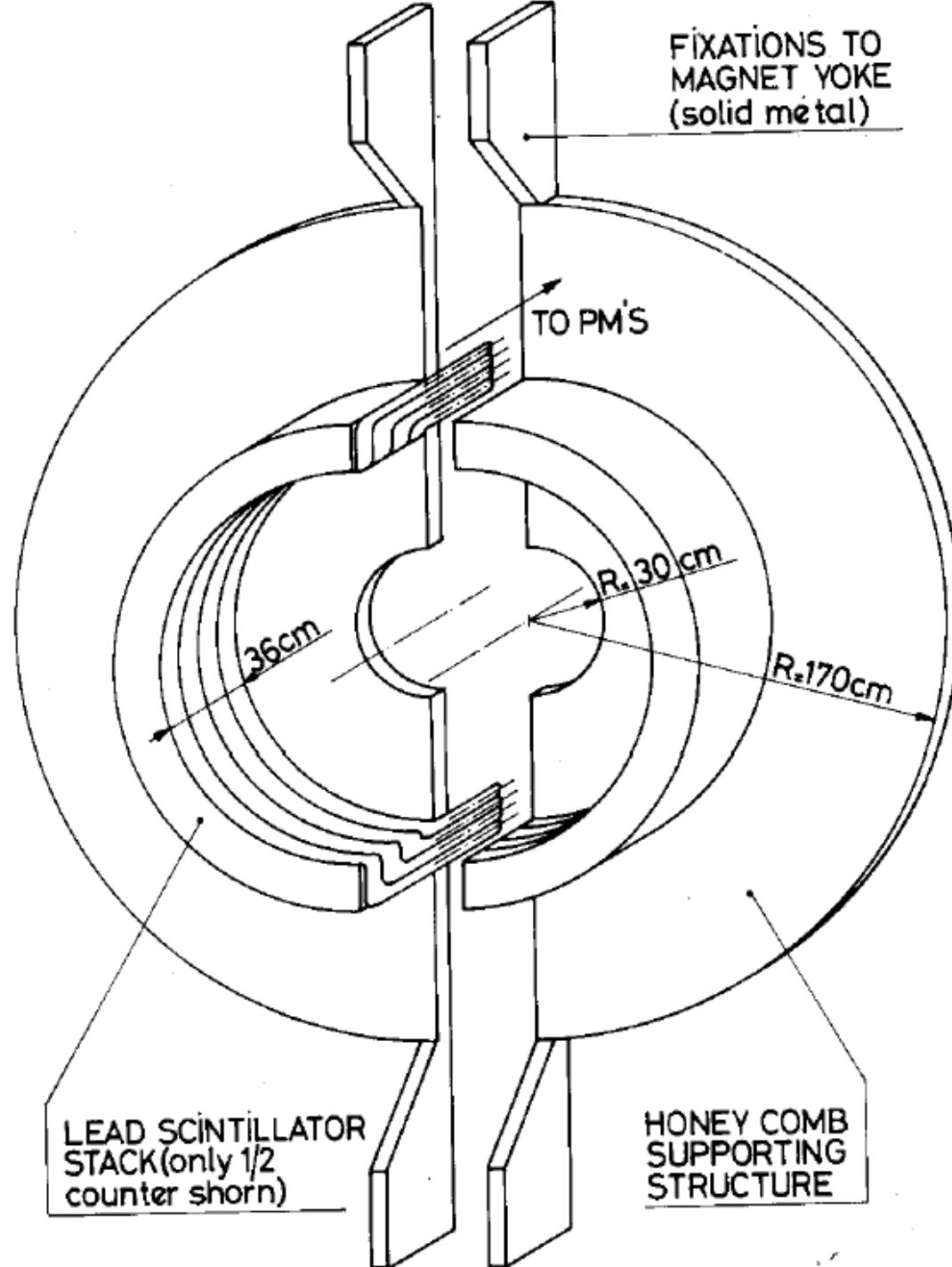
principle



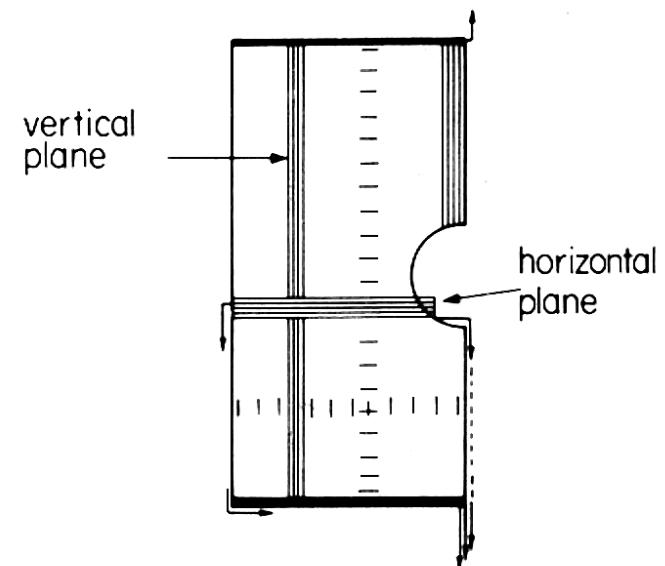
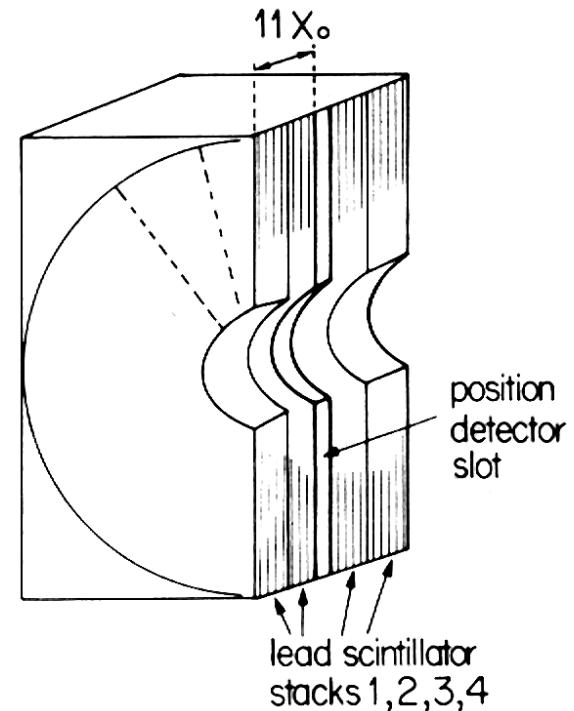
electromagnetic calorimeter: gondola



electromagnetic calorimeter: bouchon

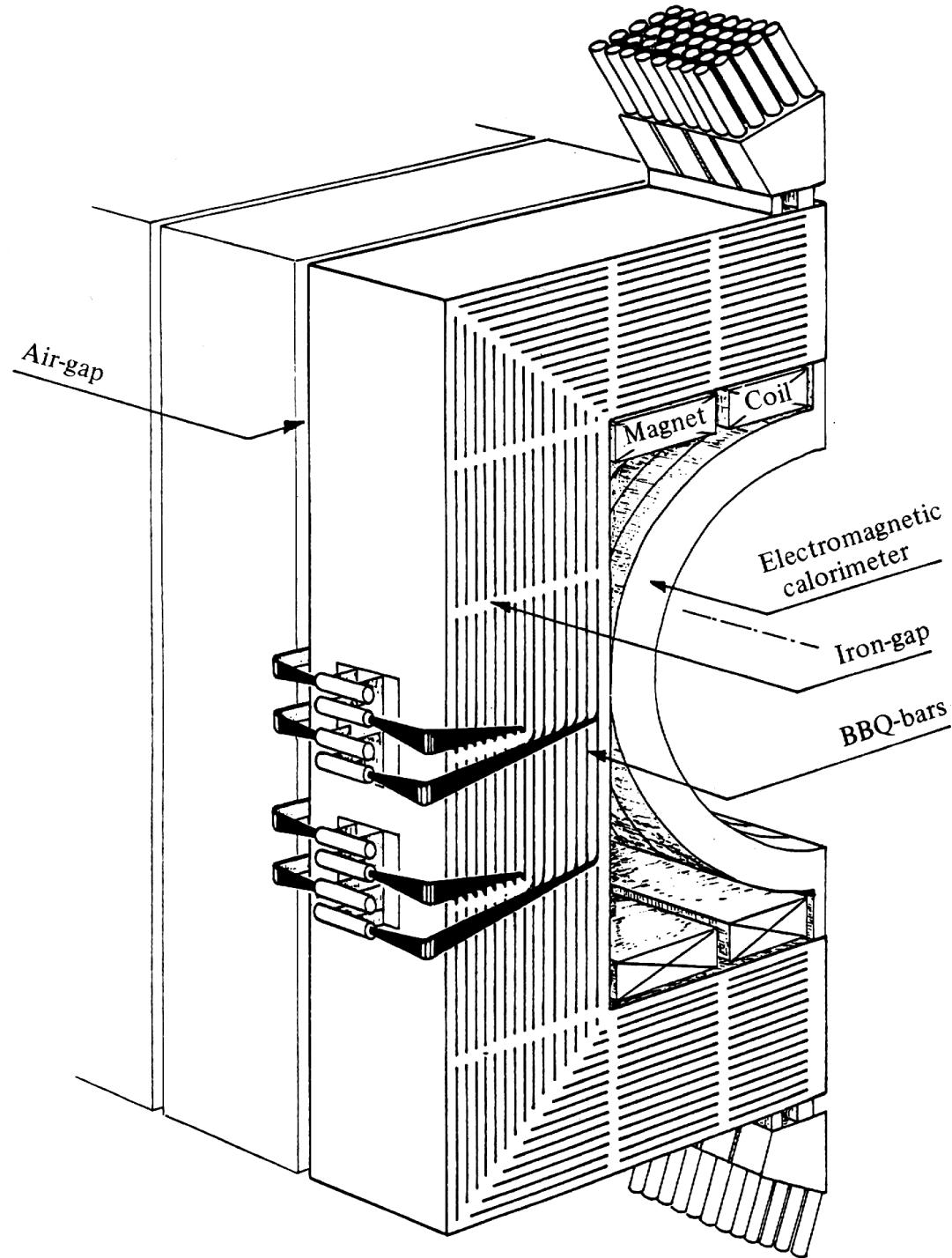


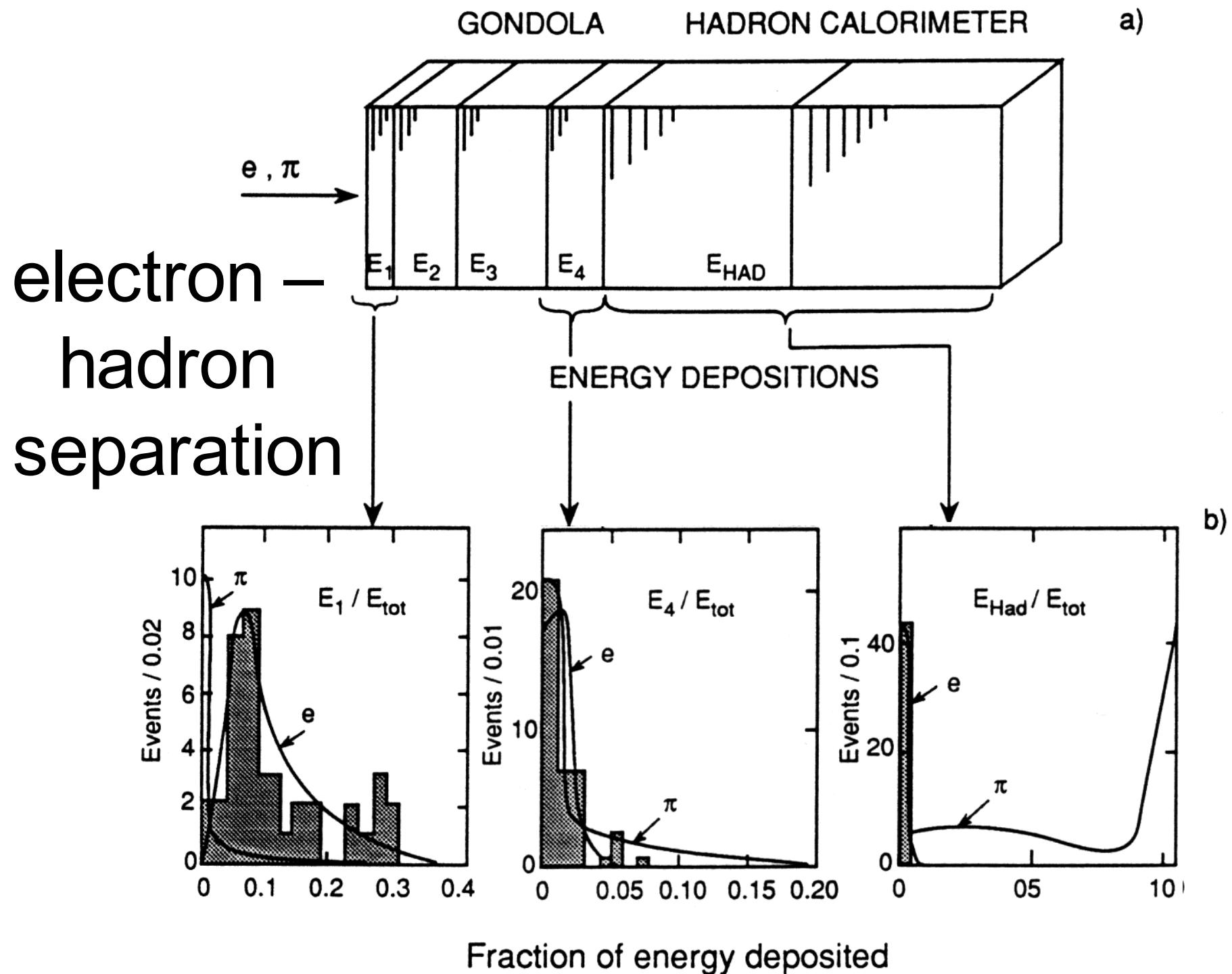
position measurement in bouchon



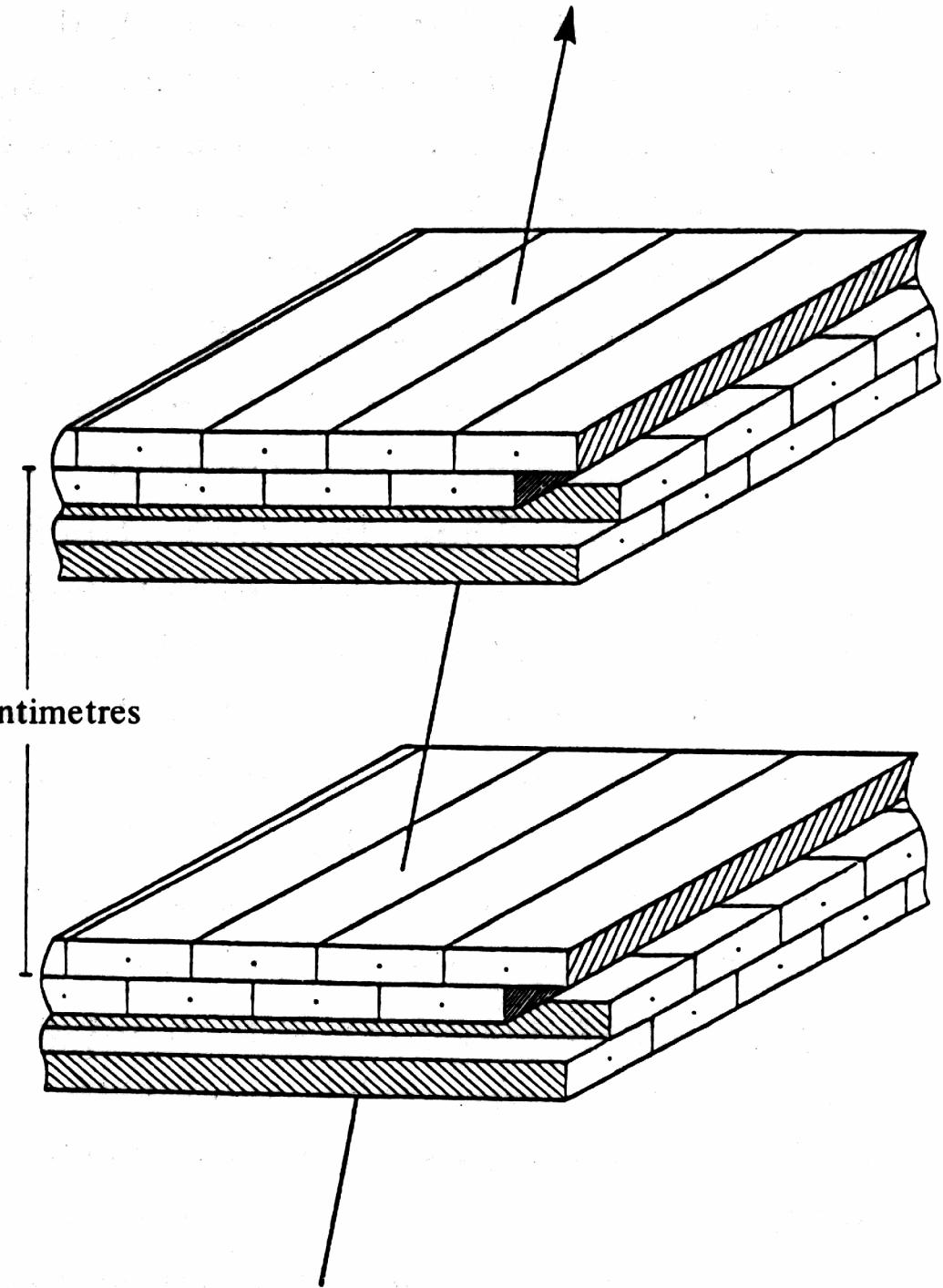
= 140 horizontal tubes
80 vertical tubes

magnet and calorimeters

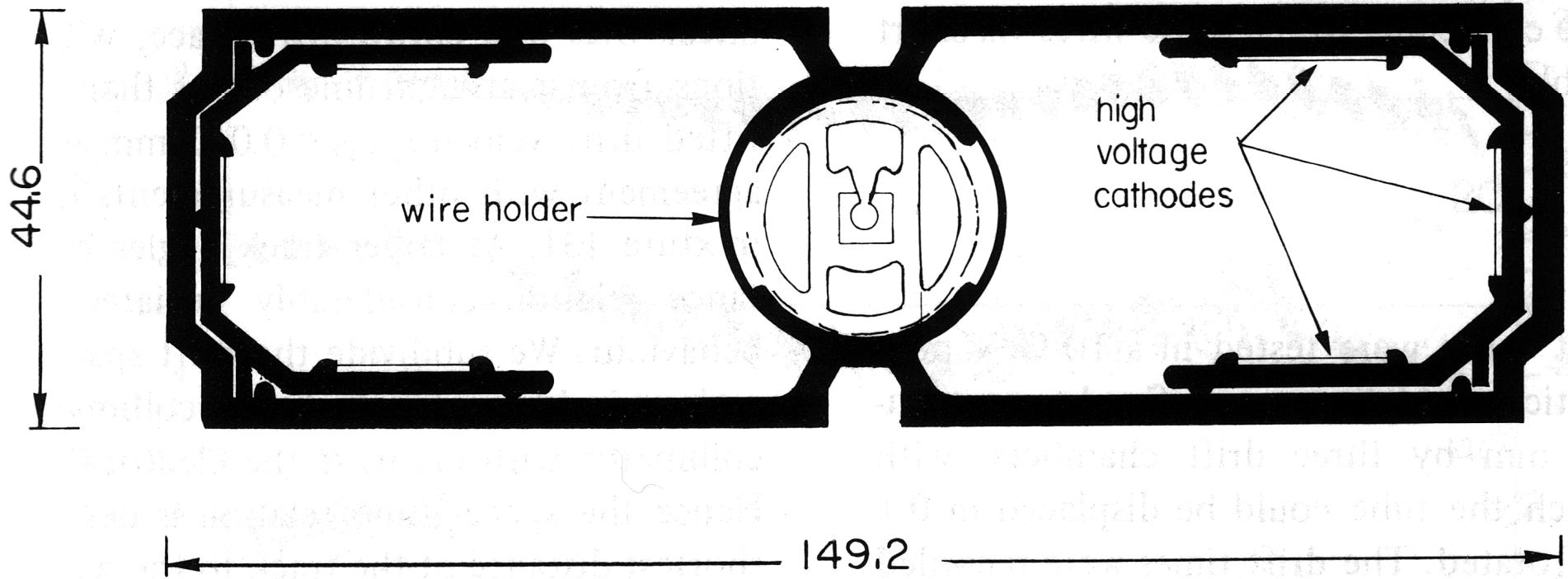




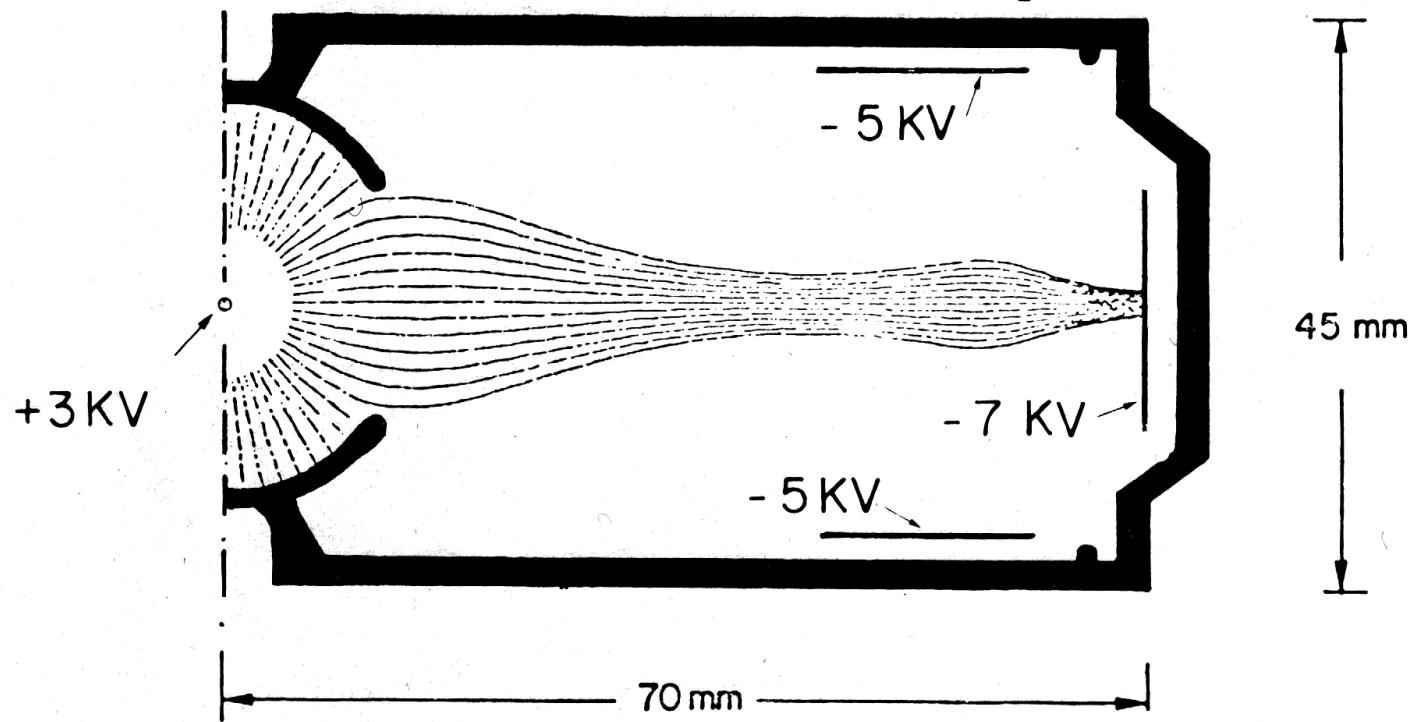
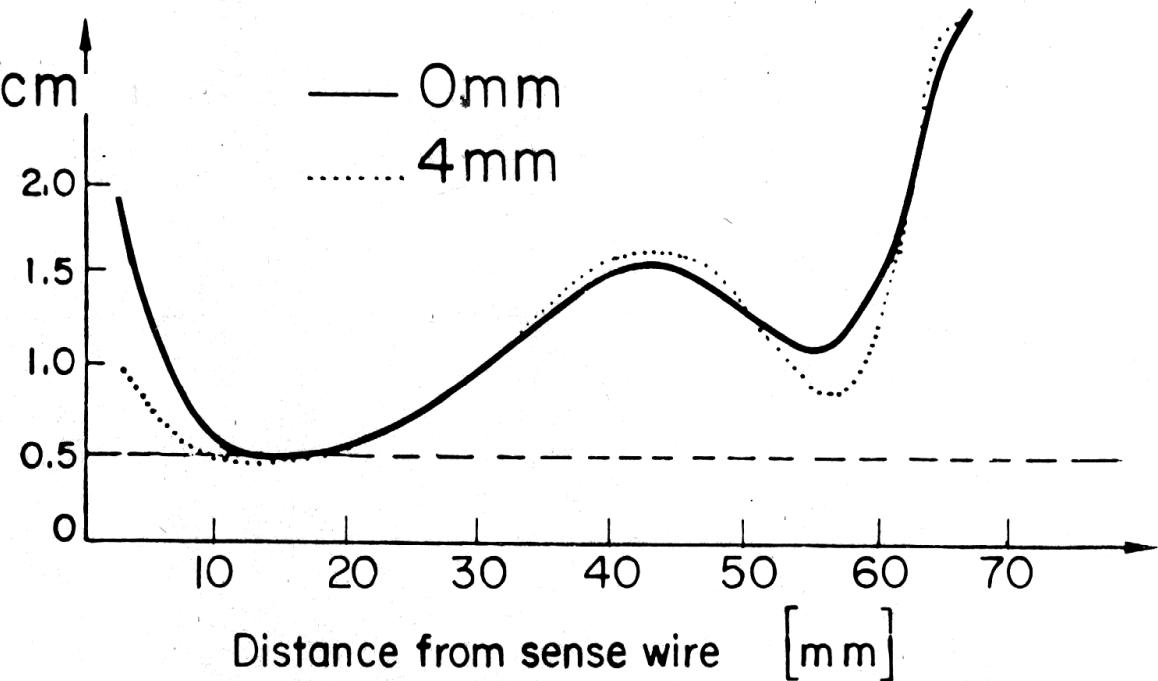
muon chambers



muon drift cell



muon drift field



forward detector

