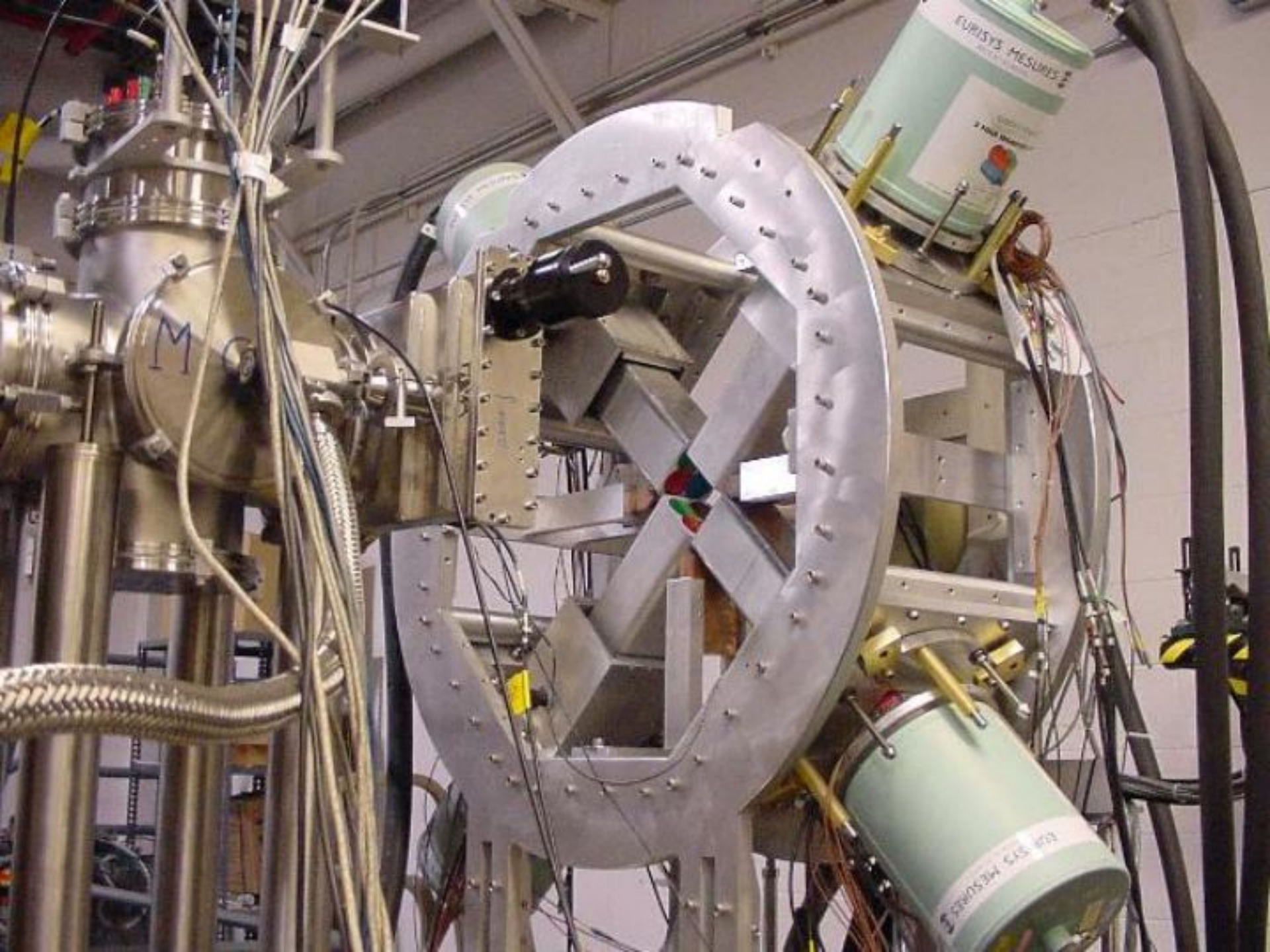
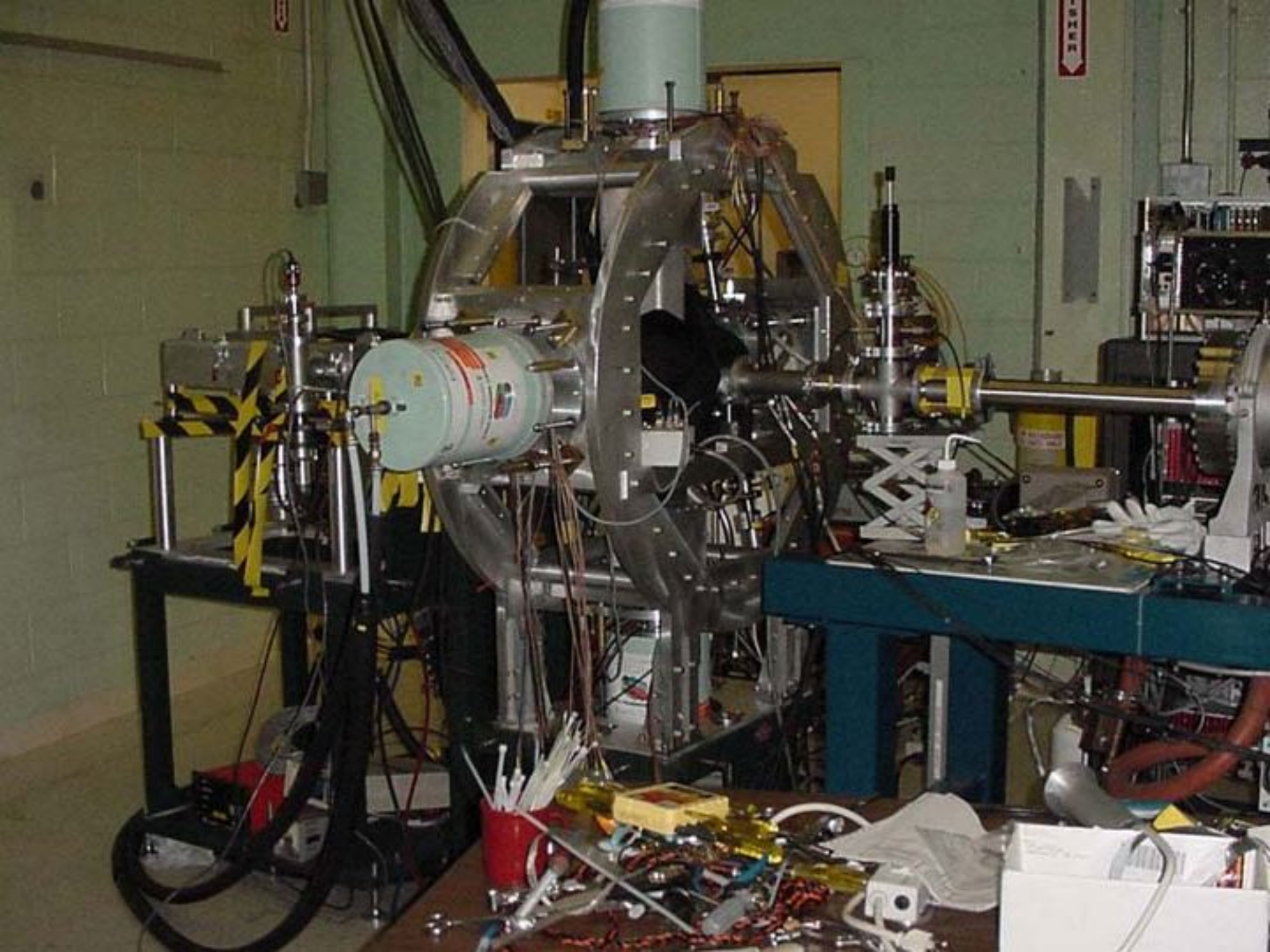
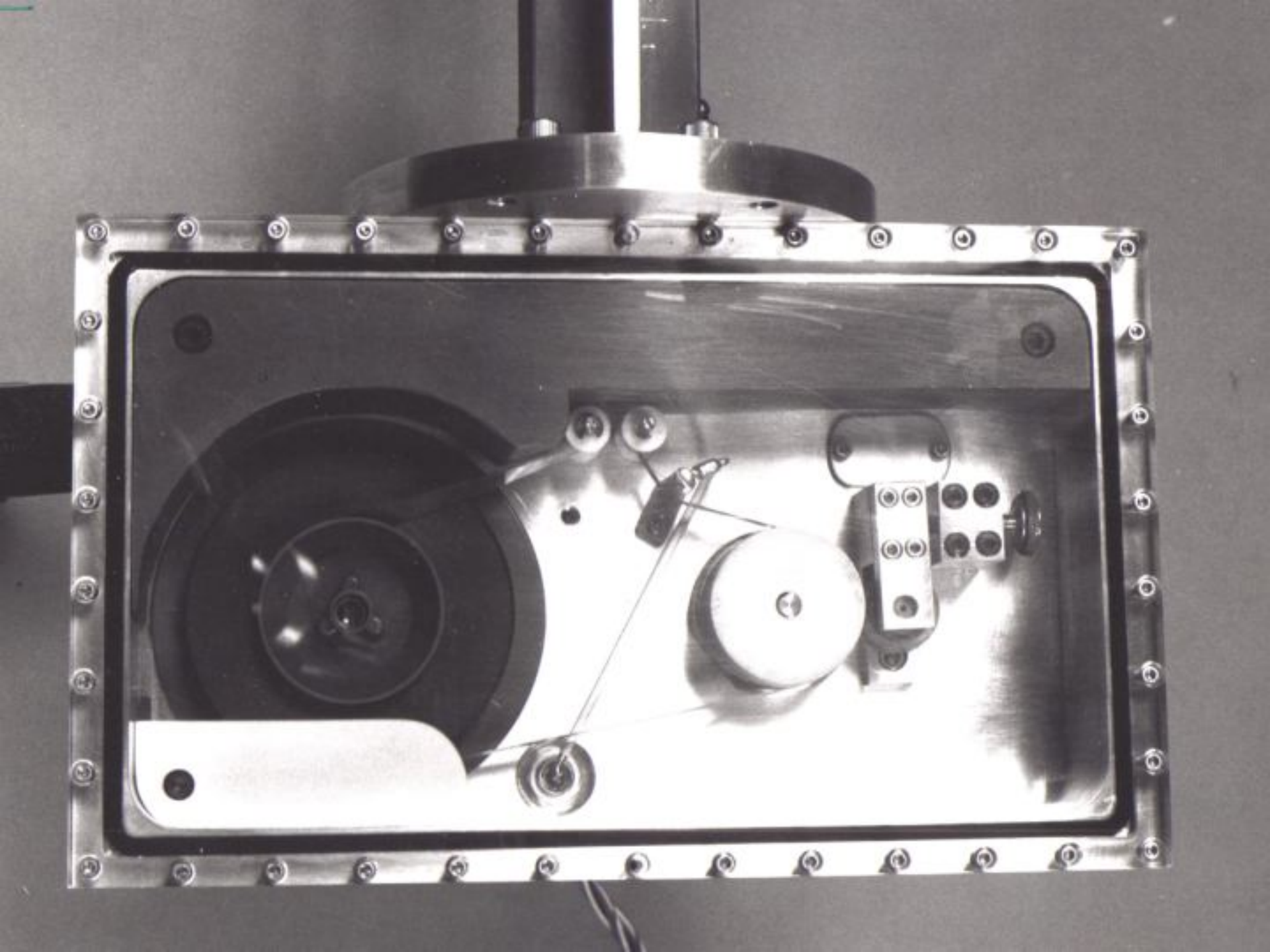
Recent Developments in Electron Detectors, Beta Detectors and Moving Tape Collectors

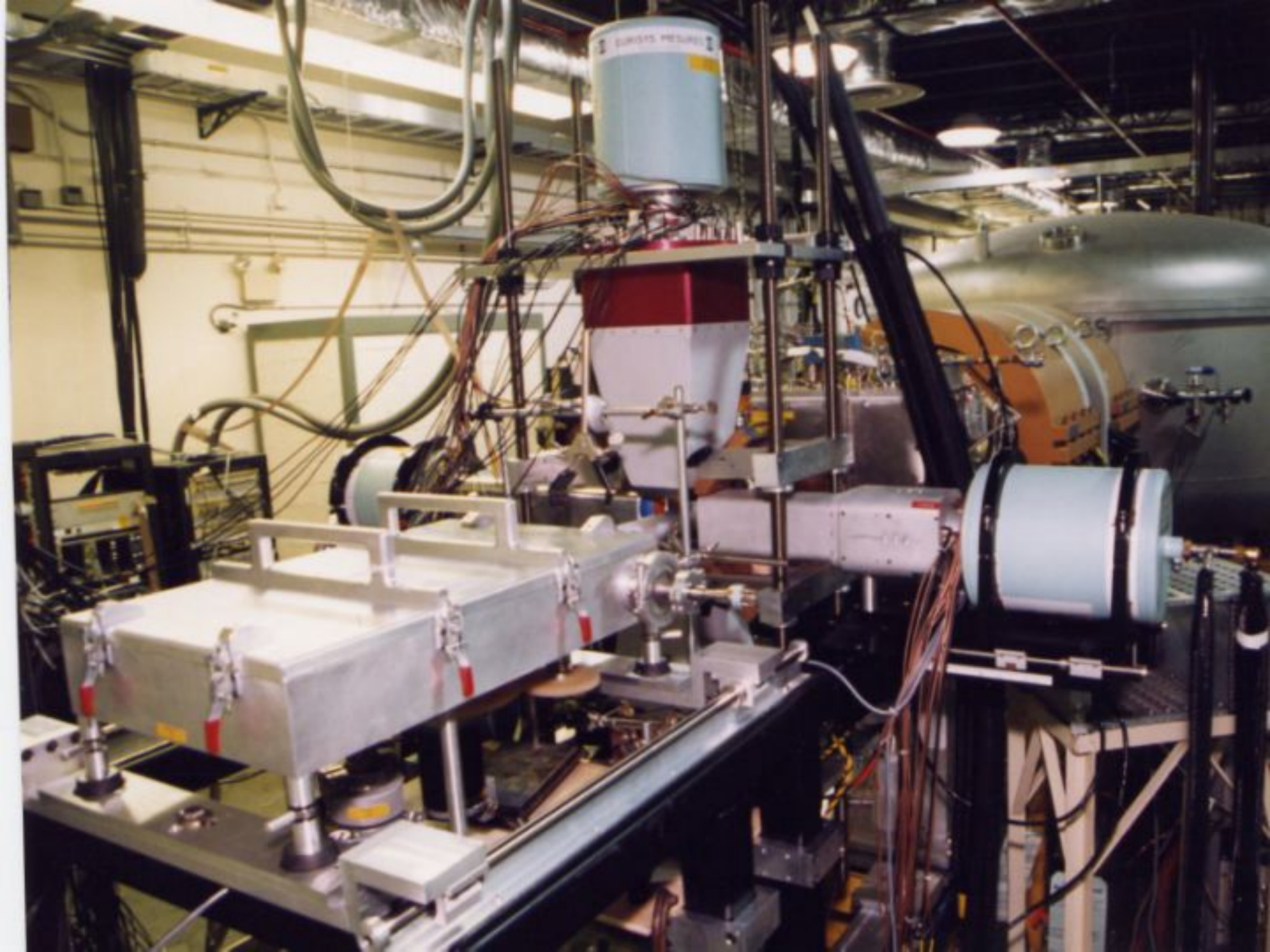
E. F. Zganjar

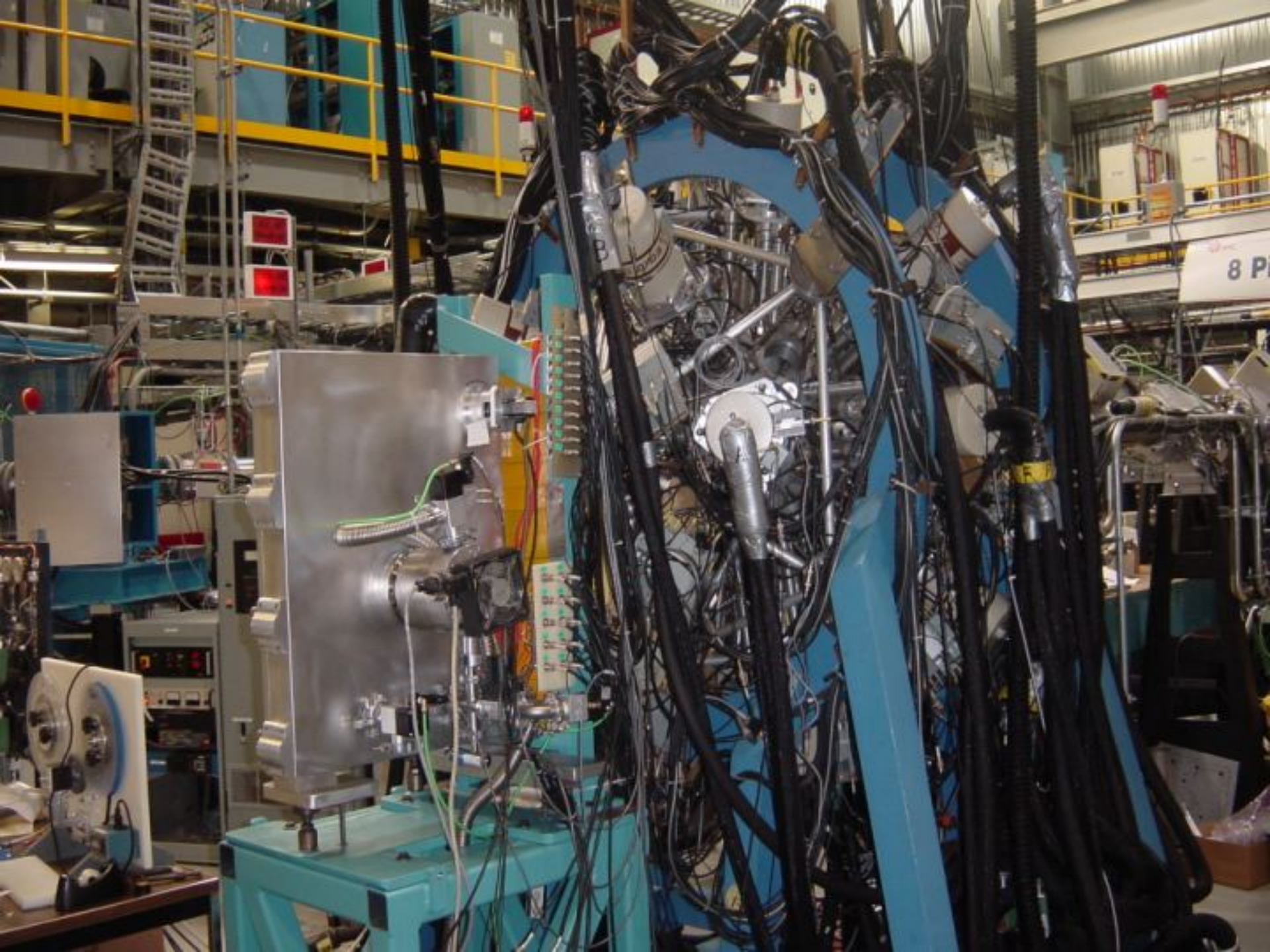
- The CARDS Array
- Beta Detectors
- Moving Tape Collectors
  - At HRIBF/UNIRIB
  - At TRIUMF/ISAC
- IC/IPF Spectrometers
  - At HRIBF/UNIRIB
  - At TRIUMF/ISAC







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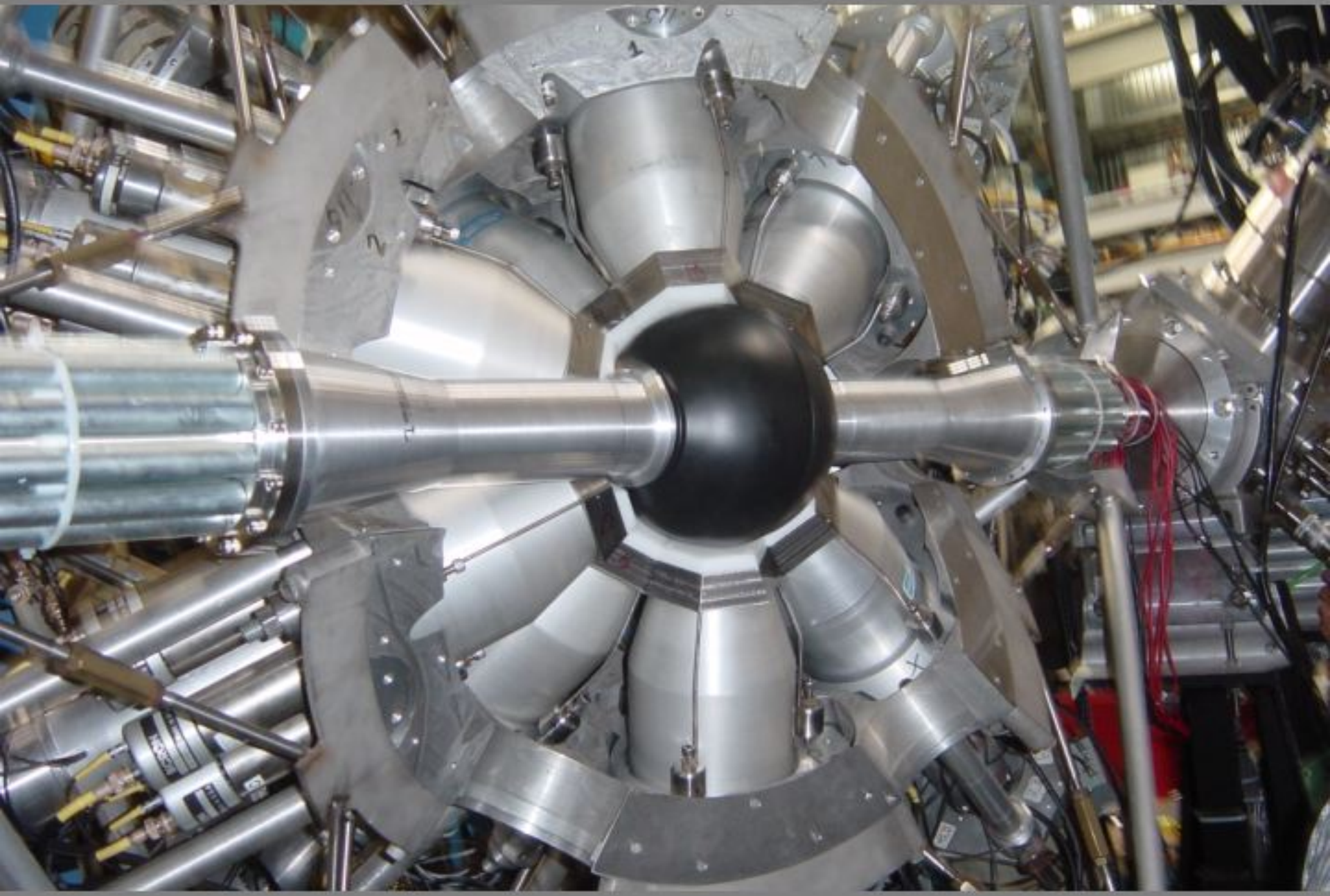

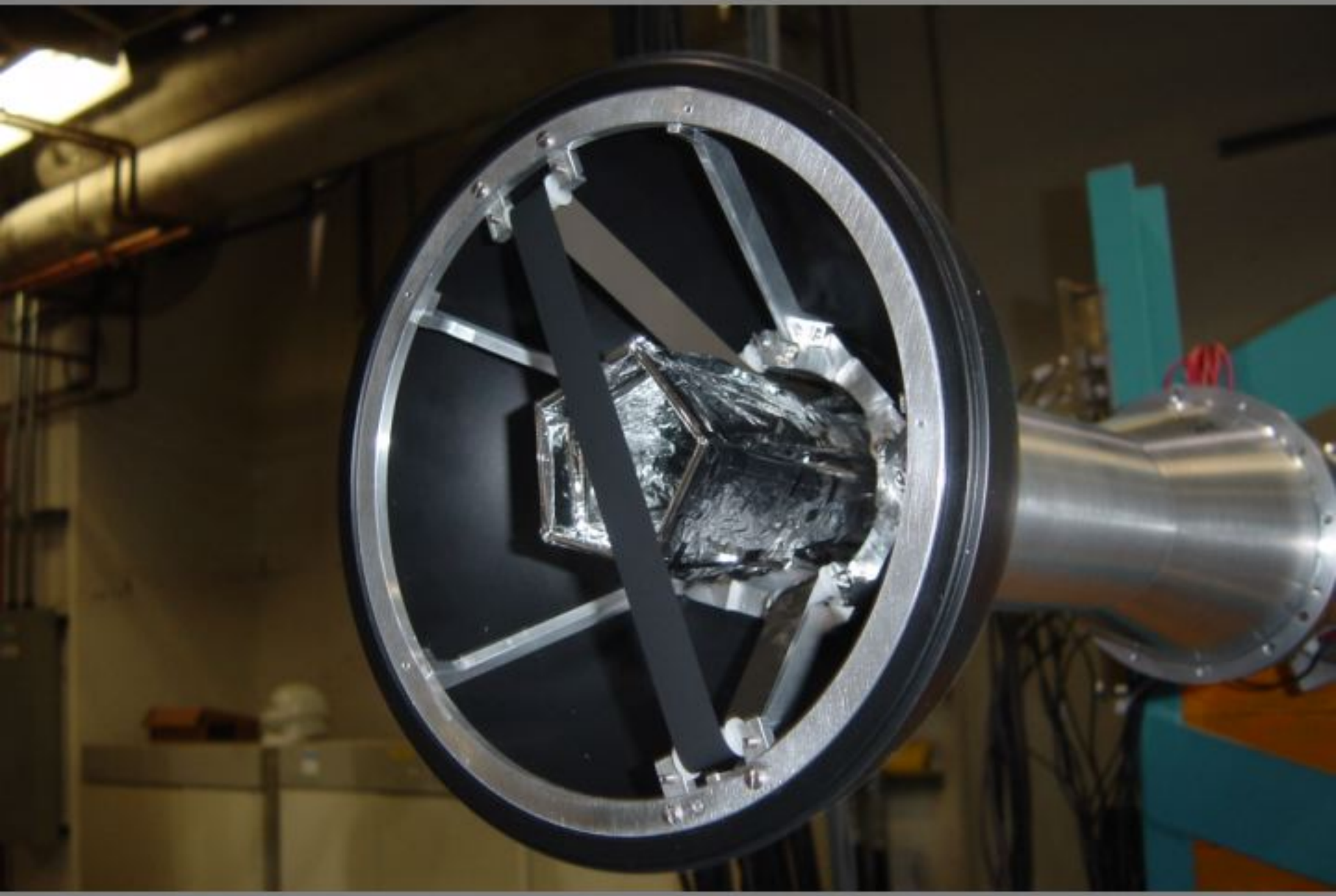

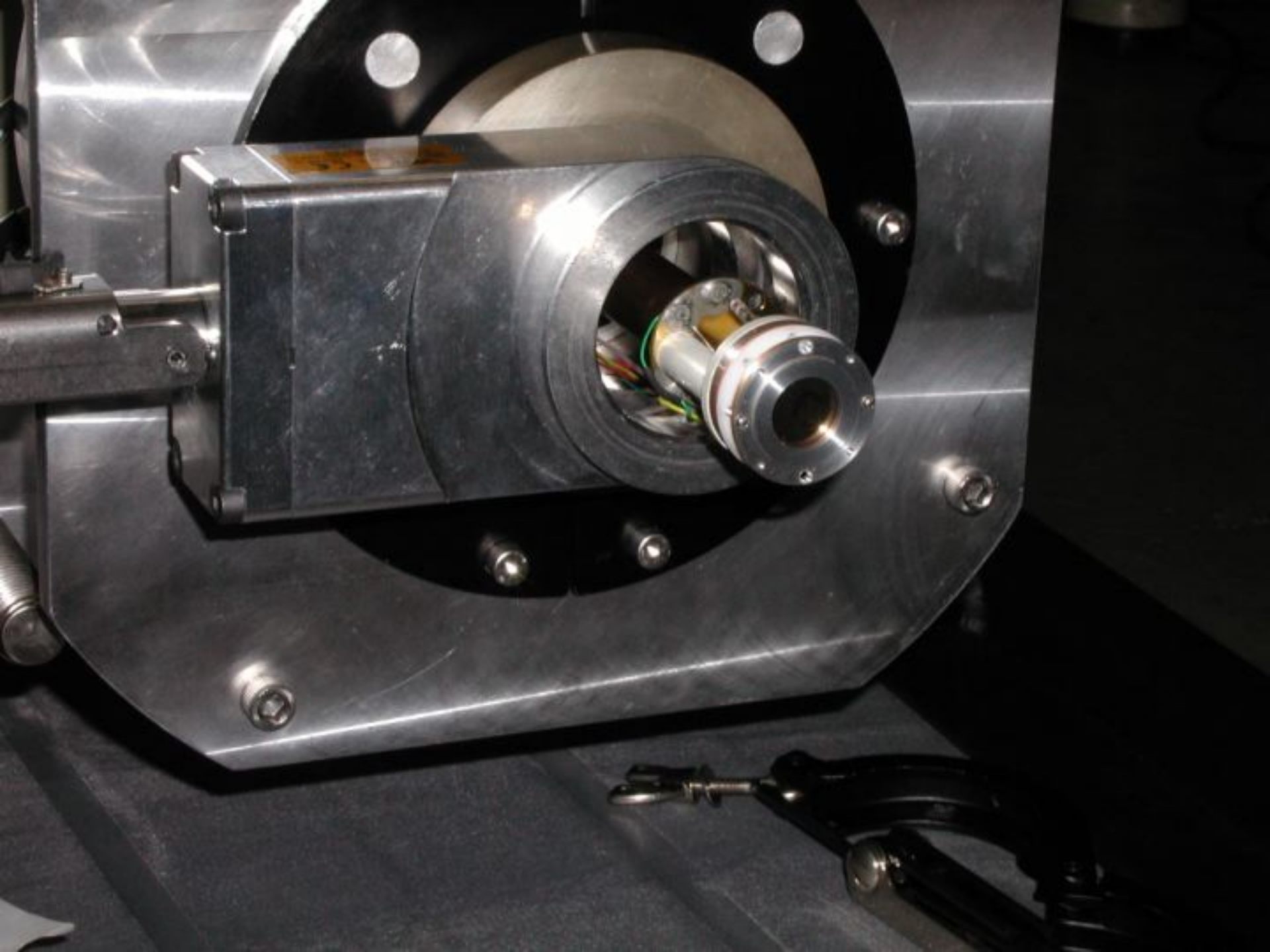

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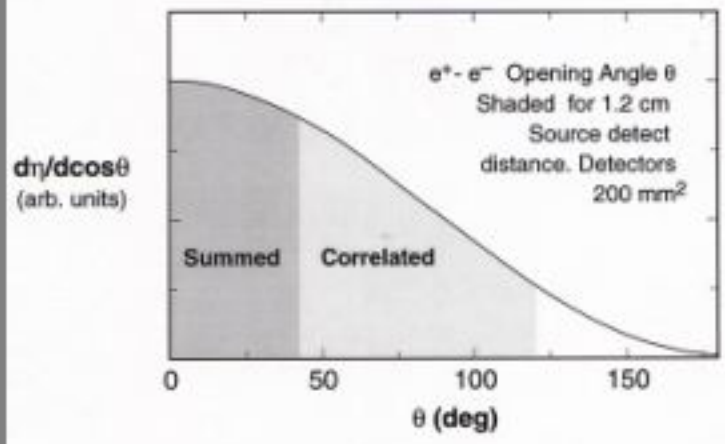
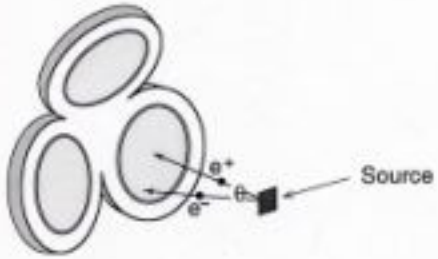
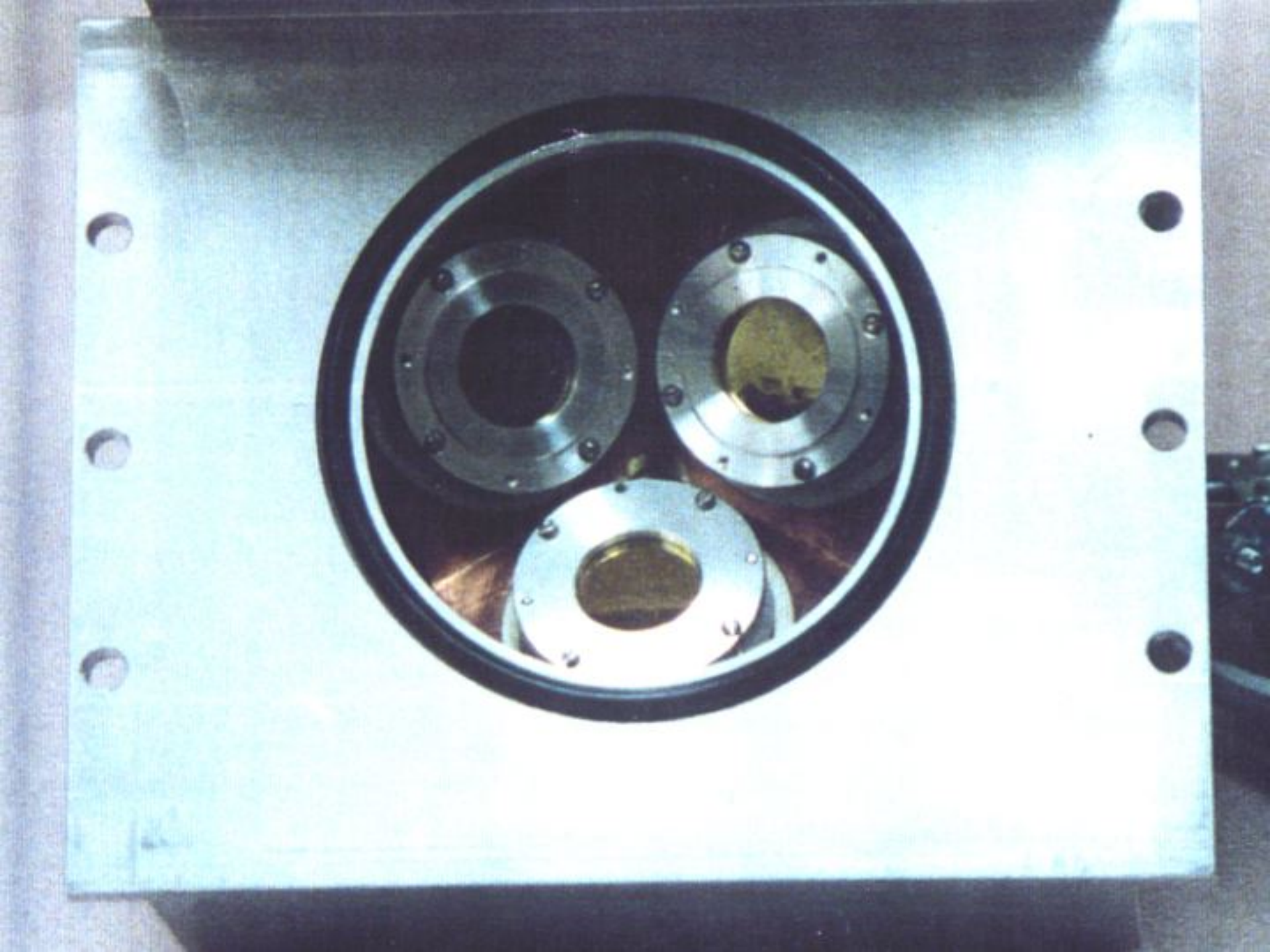
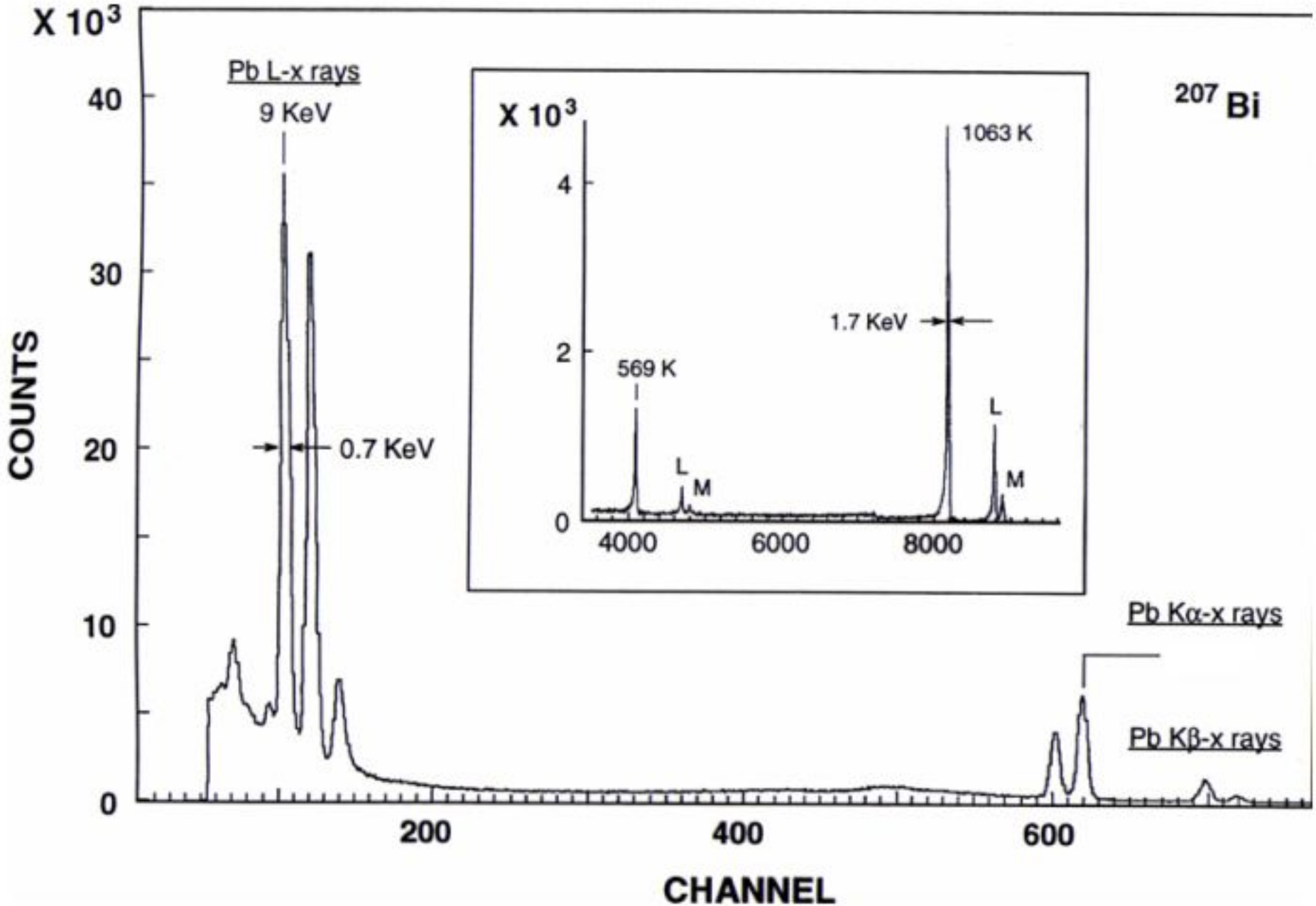


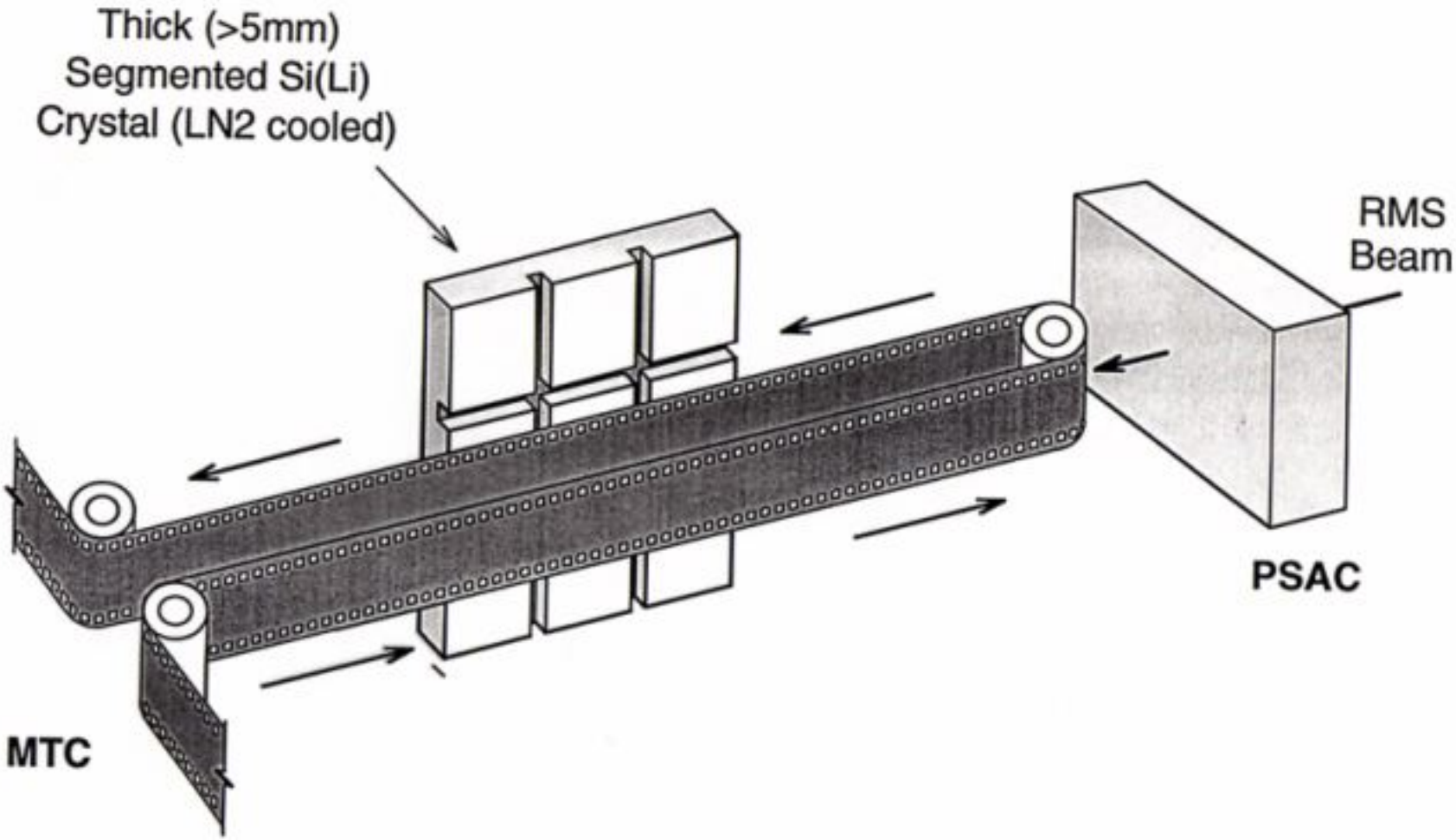
Correlated



Summed




X 10³
Pb L-x rays
9 KeV
0.7 KeV
207 Bi
X 10³
1063 K
1.7 KeV
569 K
L
M
L
M
Pb Kα-x rays
Pb Kβ-x rays
COUNTS
CHANNEL
0
10
20
30
40
200
400
600
0
2
4
4000
6000
8000


Thick (>5mm)
Segmented Si(Li)
Crystal (LN2 cooled)
RMS
Beam
PSAC
MTC