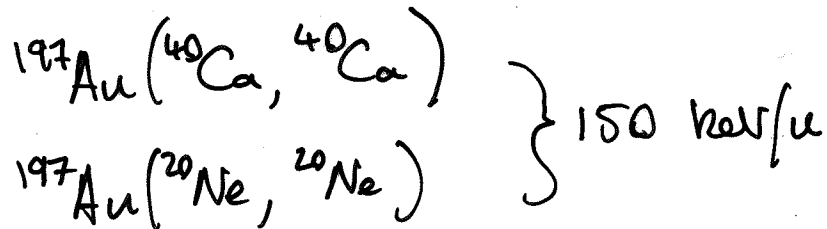
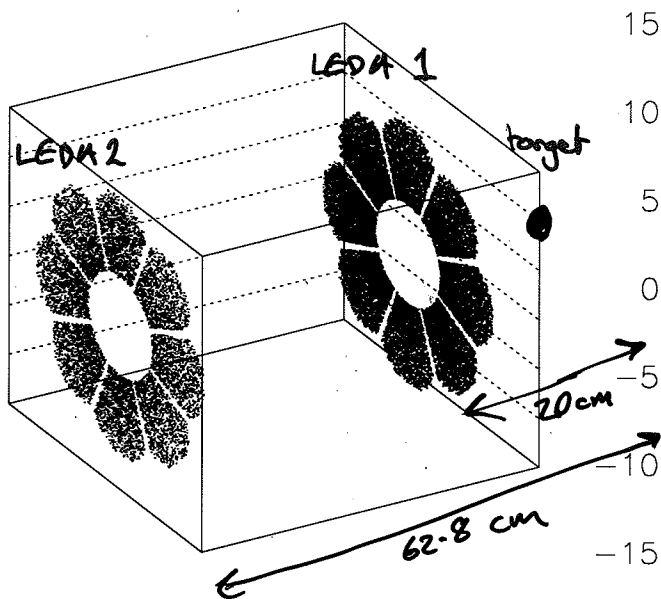


Simulation with LEDA detectors

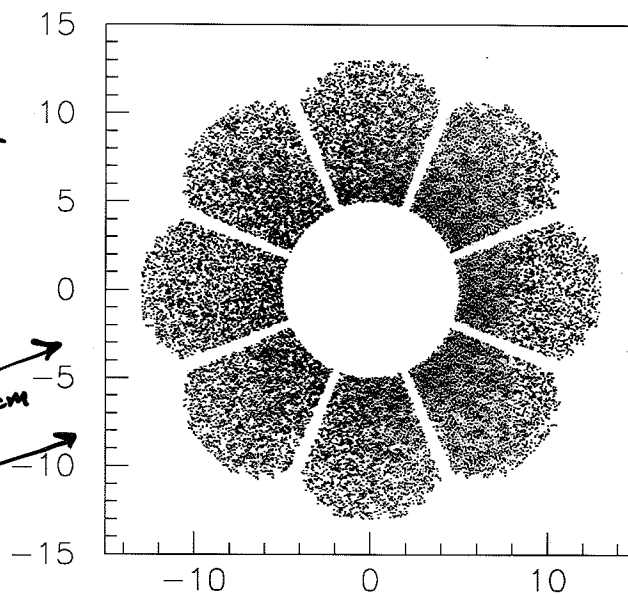


} 150 keV/u

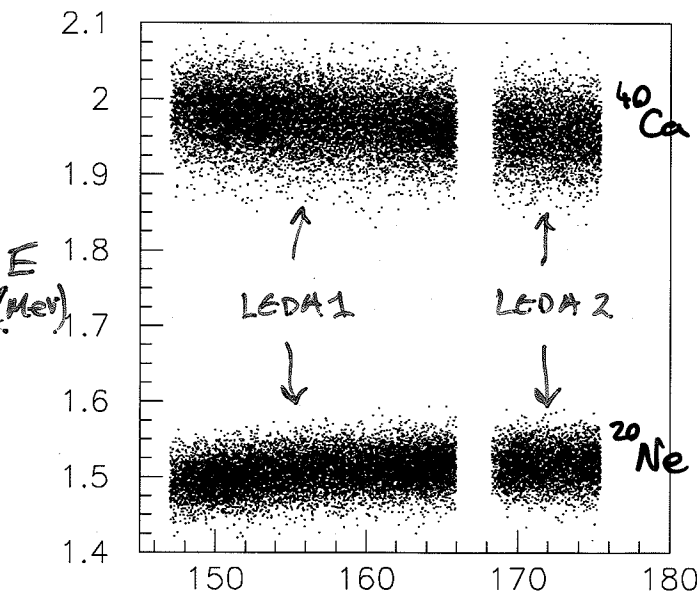
5 $\mu\text{g}/\text{cm}^2$ Au flash
on Carbon backing.



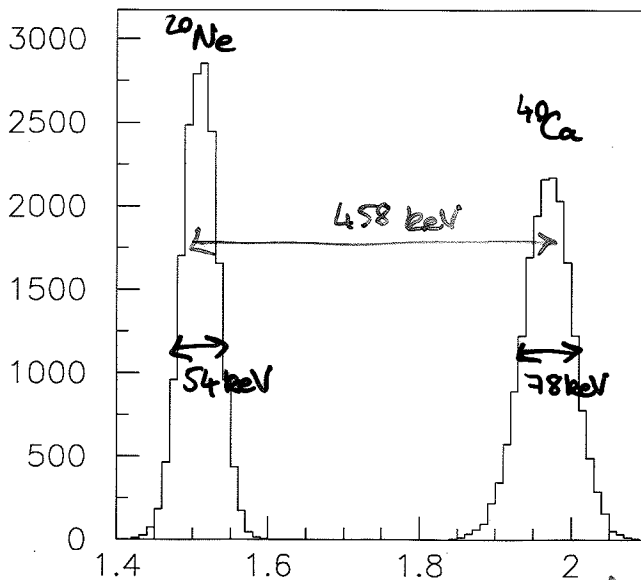
x3r VS. y3r VS. z3r



x3r VS. y3r (cm)

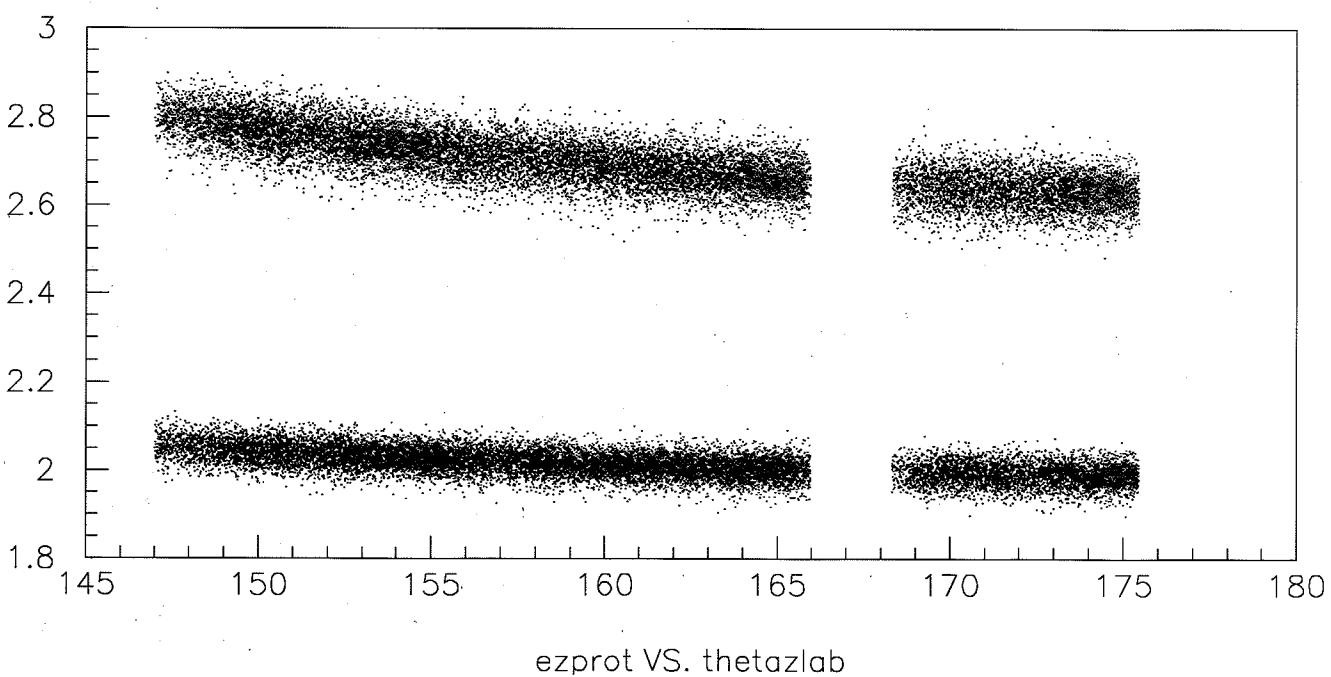
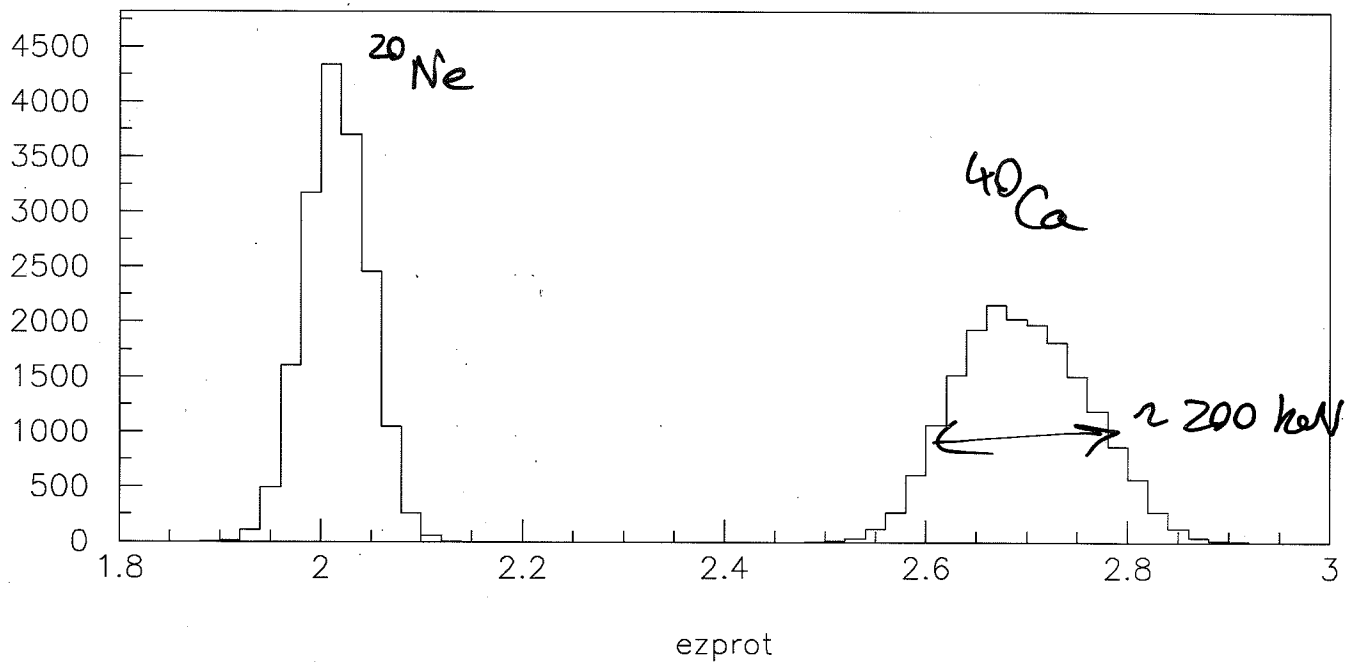


ezprot VS. thetazlab



HI scattered energy after
ezprot Si deadlayer (MeV)

Without Si deadlayer simulated



Equipment Required

Detector and associated electronics:

1. Charged-particle detector (Ortec F-018-100-60 Heavy Ion Detector)
2. Ortec 142 Charge sensitive preamplifier (operates in vacuum)
3. Detector-preamp cable (radial microdot)
4. Ortec 572A Amplifier
5. Ortec 428 Detector Bias Supply + SHV connectors (0-1kV)
6. Ortec 4006 NIM Minibin (6 slots)

18 keV FWHM
for 264 A on peak
100 mm²
≥ 60 μm depletion depth

- Quote has been requested from Gamble Technologies Limited, the local Ortec dealers.

Paul Schmor wants quote ASAP in order to budget for this equipment.

Alpha calibration source:

3-line alpha calibration source (Pu-239, Am-241, Cu-244)
50 nCi activity

- Quote requested from NAS Medical Ltd.

Open question as to what ADC used – pocket MCA? EPICS?

F. Cup required also.

Keerthi has given preliminary guess as budget to P. Schmor, including vacuum box and associated mounts etc.