1. The aim – proposal for test measurement of existing detector
2. We are owner of five Ge76 enriched detectors
   their characteristics are in table 1

Characteristics of HPGe-76 detectors

|	Det1	Det2	Det3	Det4	Det5
Enrichment, %	85,9±1,3	86,6±2,5	88,3±2,6	86,3±1,3	85,6±1,3
Full mass, kG	0,980	2,906	2,446	2,400	2,781
Active mass, kG	0,920	2,758	2,324	2,295	2,666
Saturation voltage, V		3000	3200	2900	1900
Bias voltage, V	4000	4000	4000	2500	2500
FWHM, keV at 1332 keV	2,5	2,6	2,7	2,7	3,1

Det. 1, sum spectrum
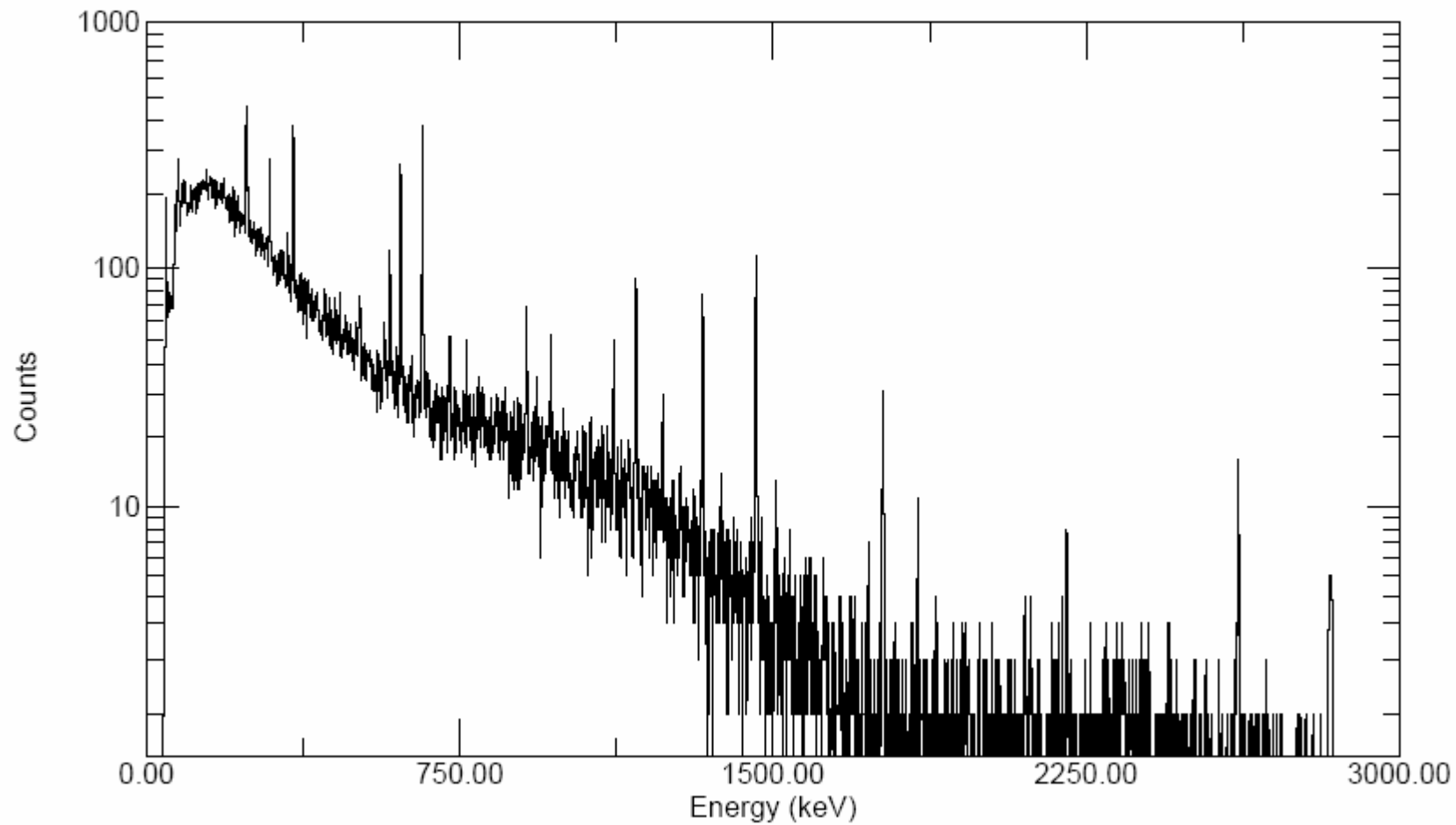
3. Further I'd like to perform spectra of each detector. The data is a representable set
4. Oleg Chkvorets proposes some measurements to define characteristics of existing detectors
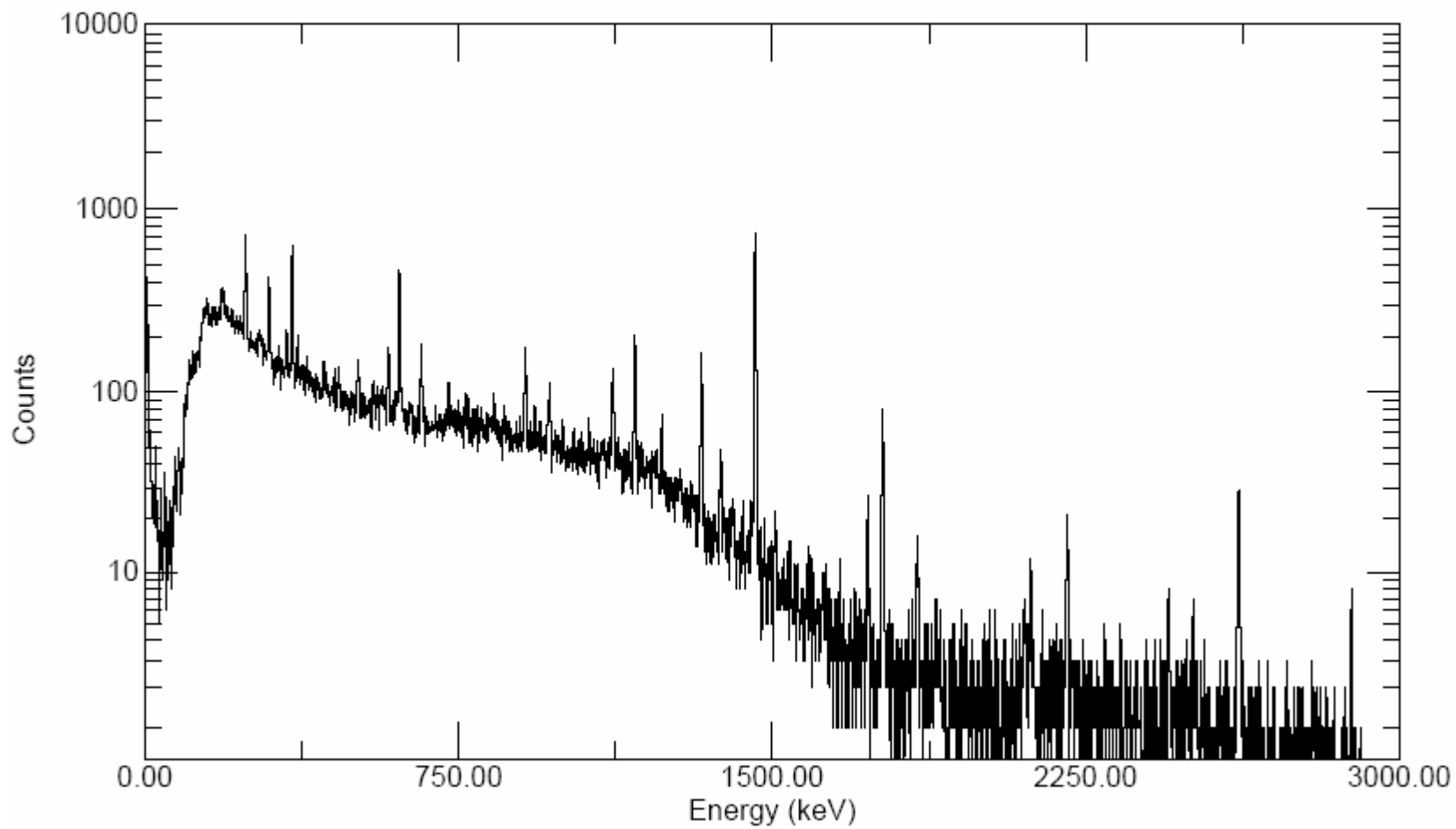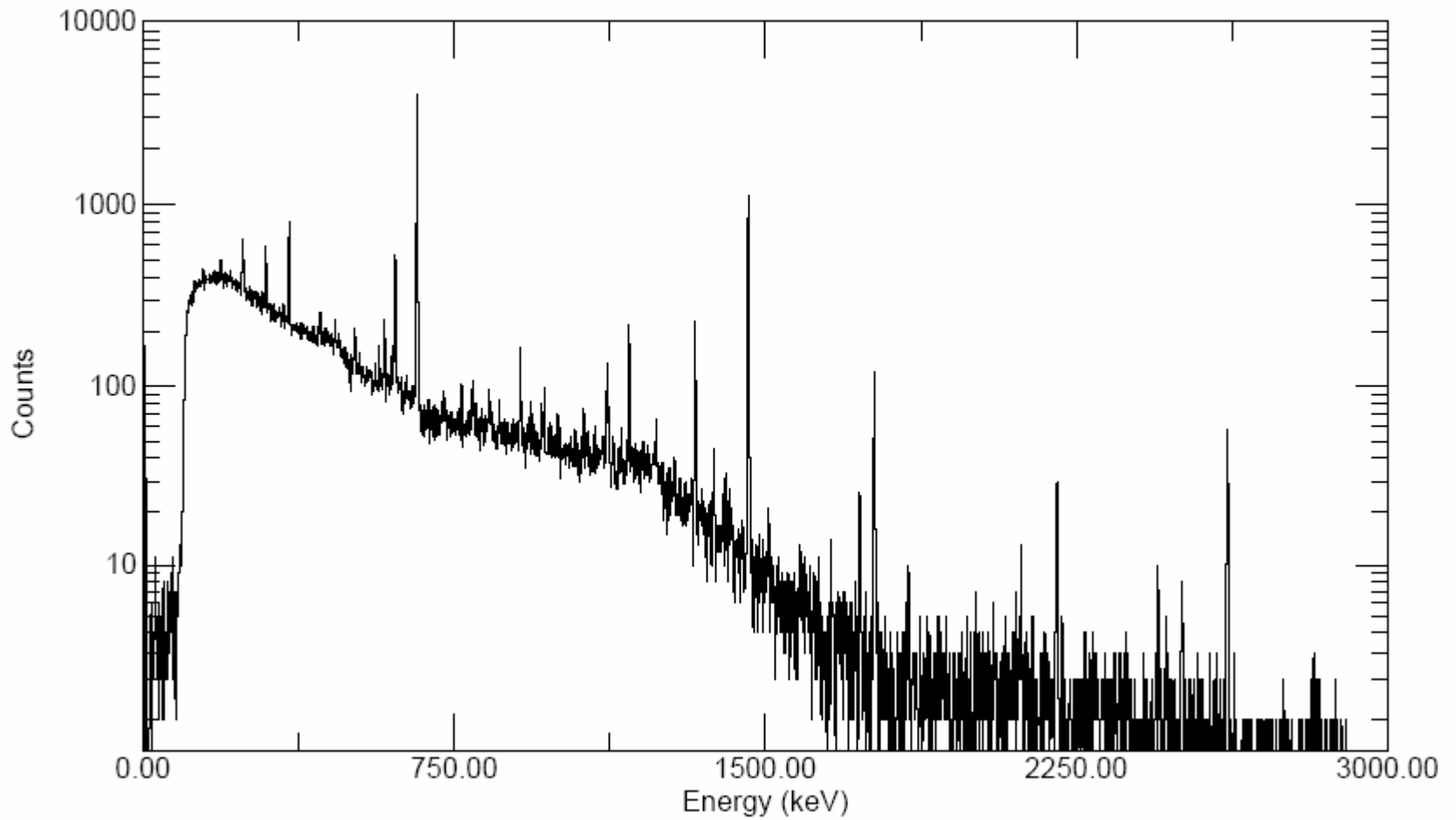   We are agree with him
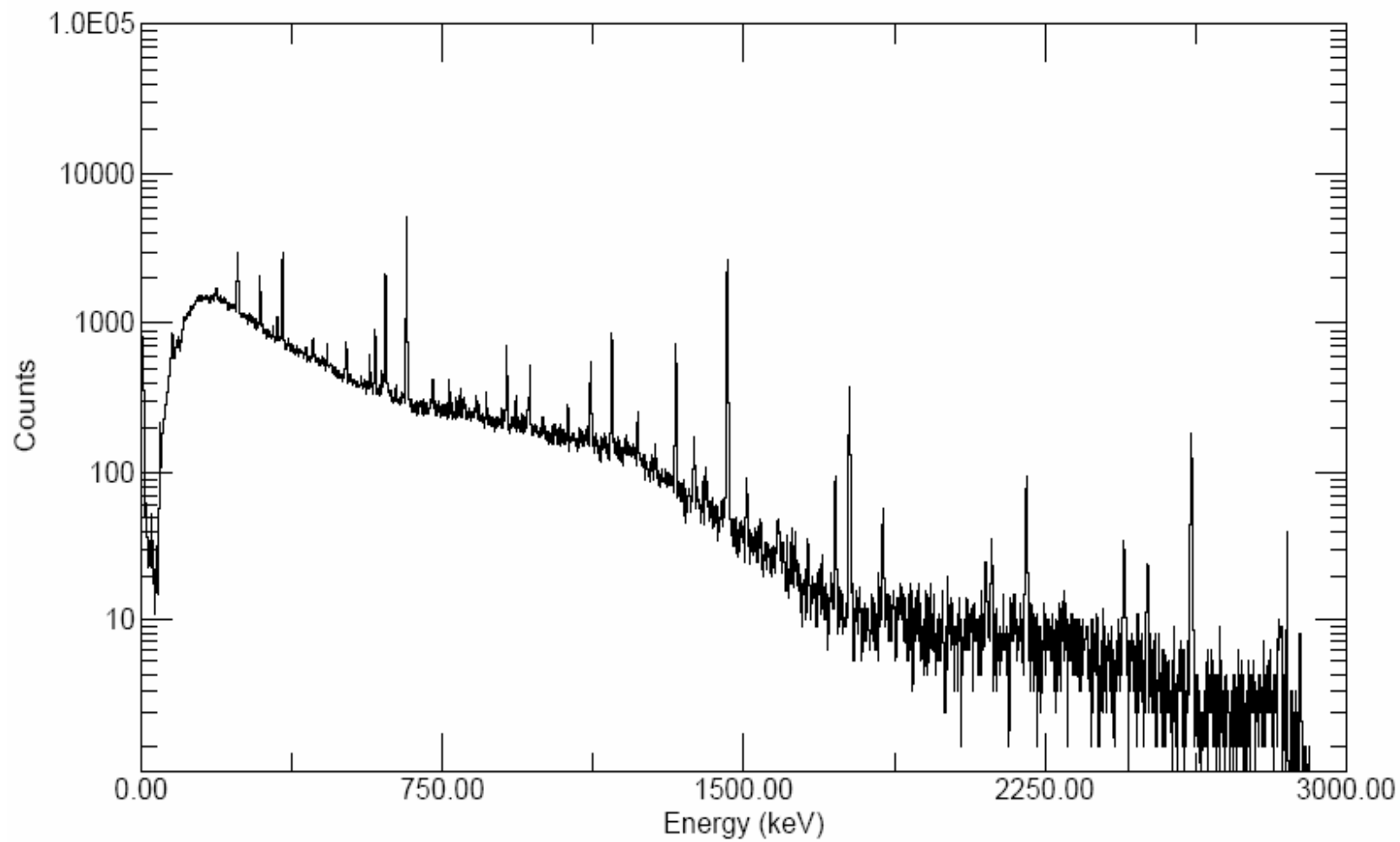
Det. 2, sum spectrum
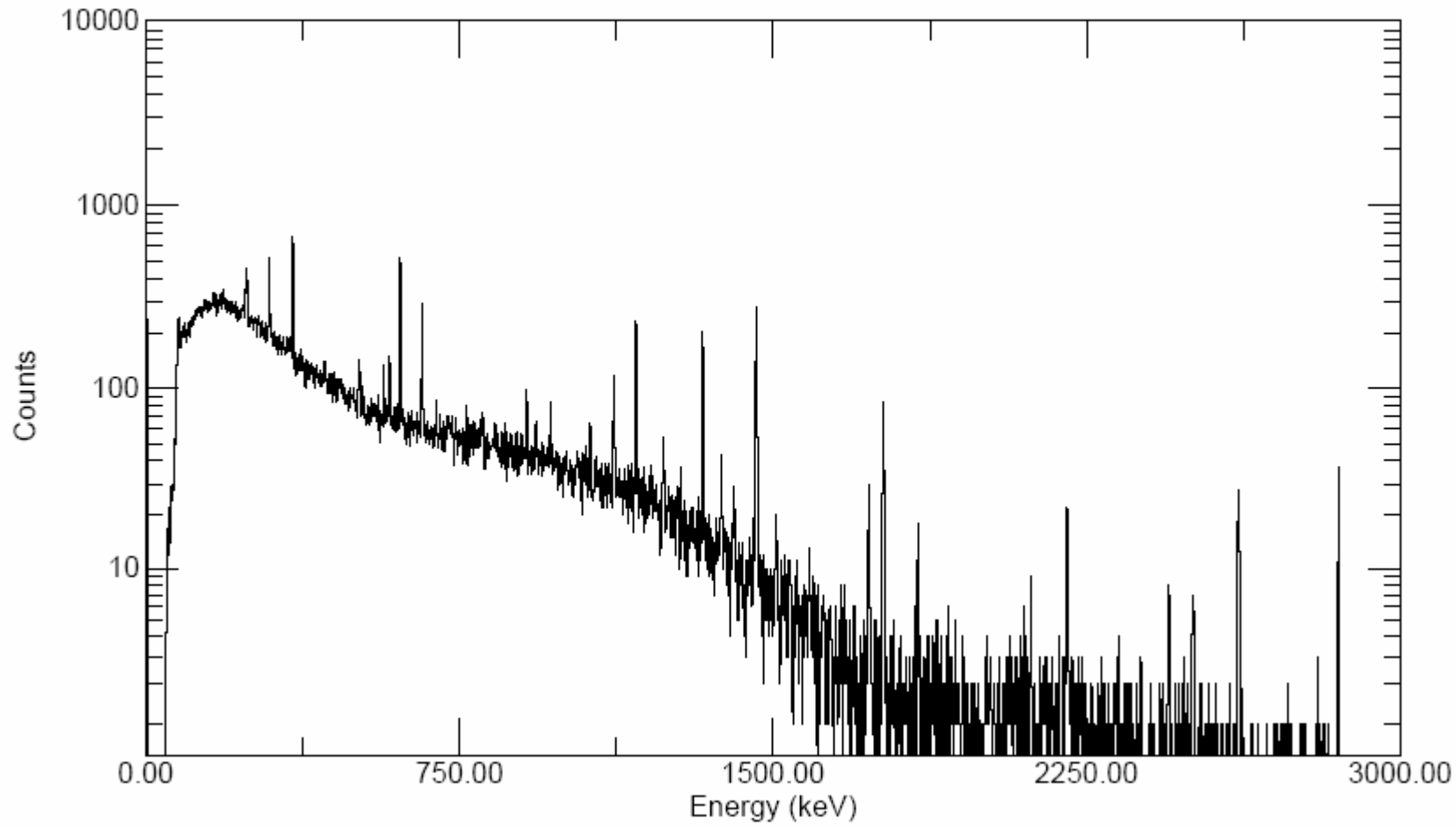
Det. 3, sum spectrum
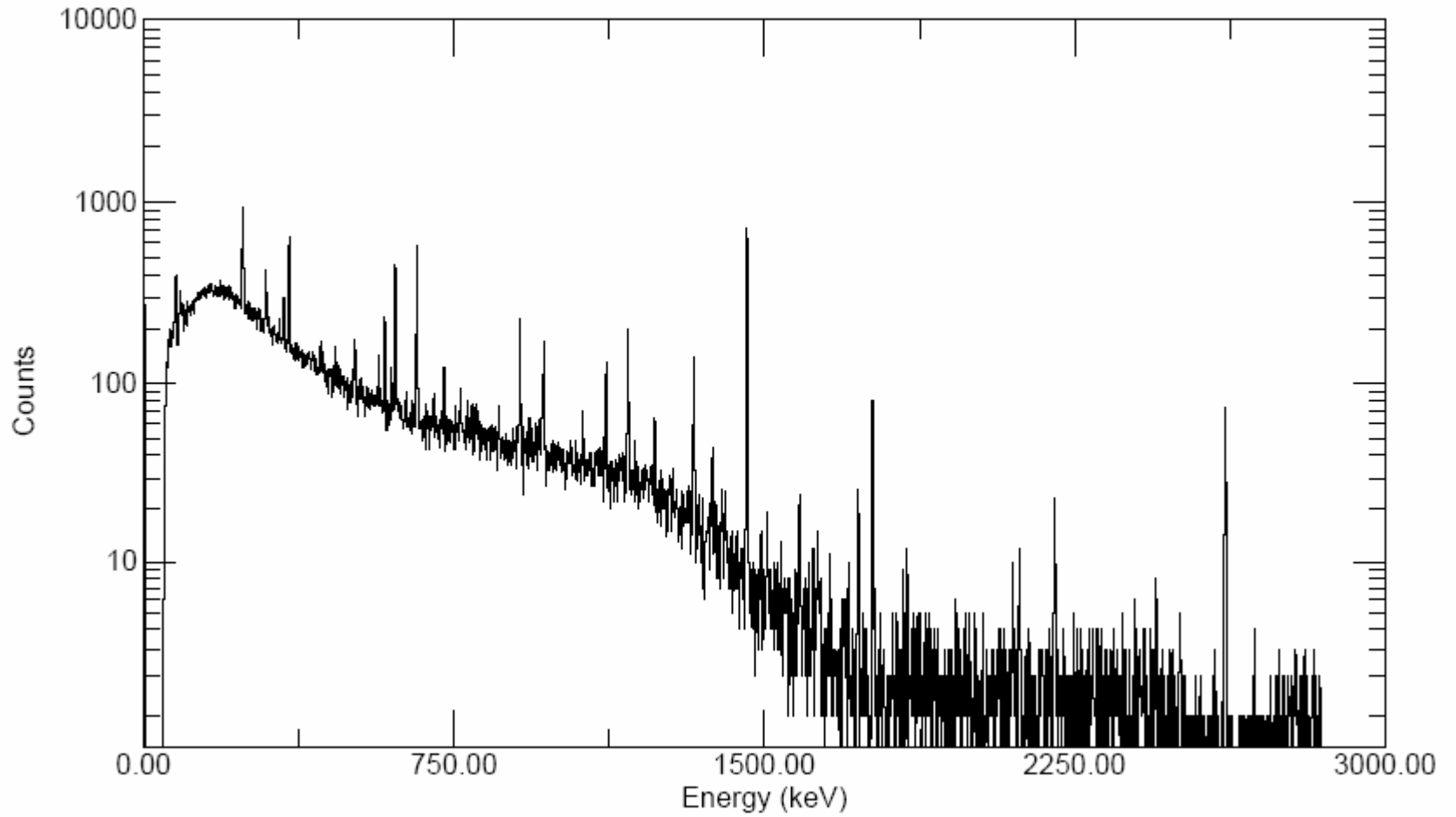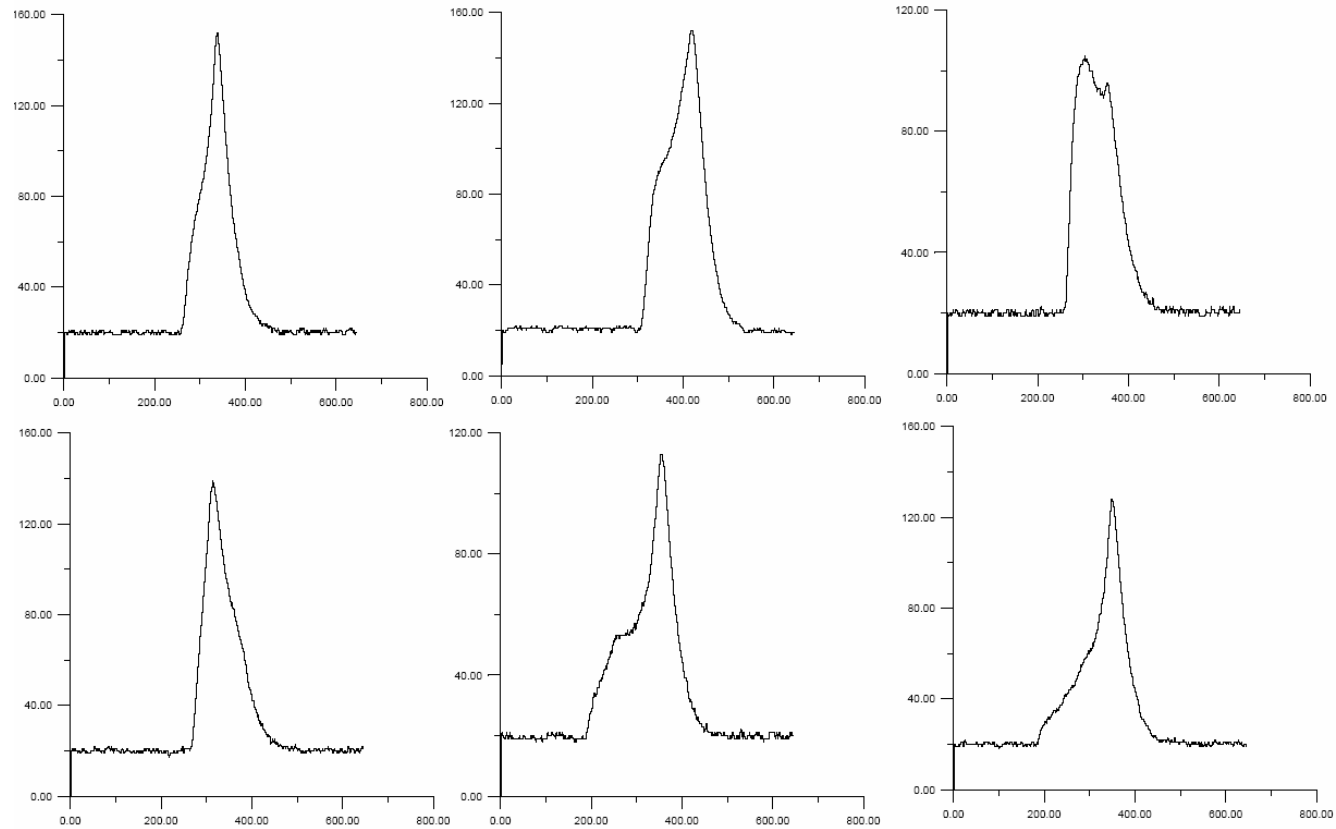
Det. 4, sum spectrum

Det. 5, sum spectrum

Sum spectrum for all five detectors

Typical pulse shapes in Hd-M detectors

However we would like to add, that it would be good
for gamma-background to do next

1.Measurement of background without shielding in that place
   where will be placed Gerda.
   - it can give us understanding of structure of gamma-background
   inside the hall,

2.Consequent construction of shielding – measurements with 10 cm
   of copper shielding,
   then add 40 cm of lead and measurements with sandwich of copper
   and lead and at the end – full shielding with outer layer
   of 10 cm of boron polyethylene.
- it can give an opportunity to extrapolate shielding
  to real one and at least optimize shielding for big set-up.

3. Long-term measurements with shielding for each detector
- of course measurements with shielding take us long time,
but nevertheless it need to spend time in order to know,
that detectors correspond to those detectors, which we used
in Hd-M experiment.

- And at least concerning neuron-induced background
- As we seem, rather important part we would like to mention
- is neutron background. During Hd-M experiment for the
- neutron background we used data, which were obtained in
- Gran Sasso by some group. Nobody do that during Hd-M experiment.
- We concider that it is very important to know of neutron background in hall, where planned to place Gerda set-up.
- We propose to carry out of neutron background there ourselves,
- and further use this data to reestablish real background.
- We could do it with all-wave detector base on He-3 neutron counters.