

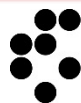


# Basics of radiometry

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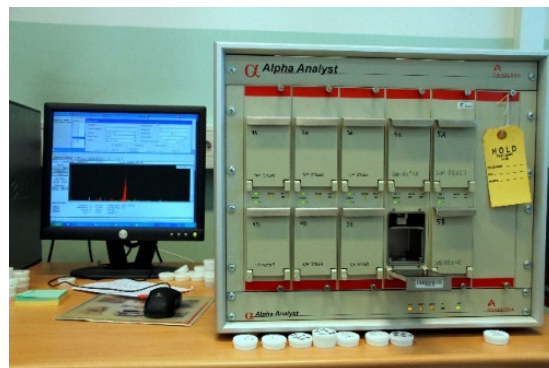


# Radiometry

Gamma spectrometry



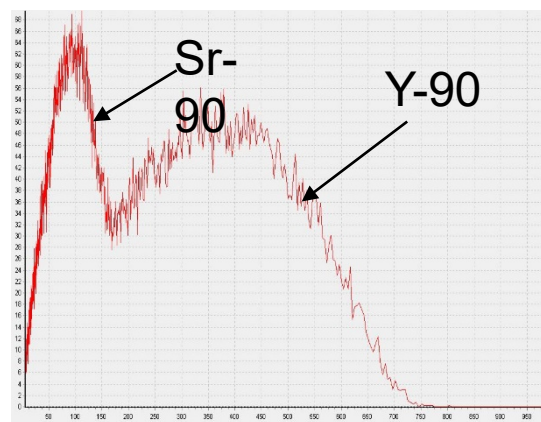
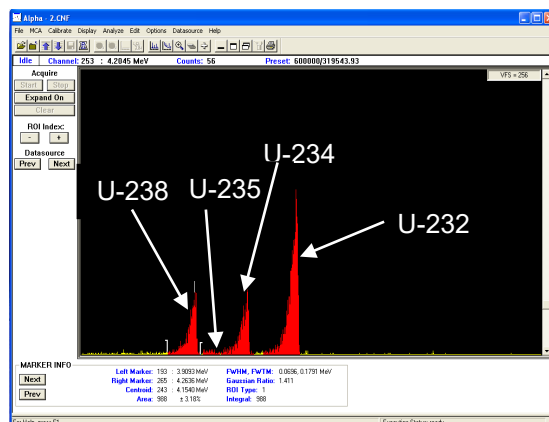
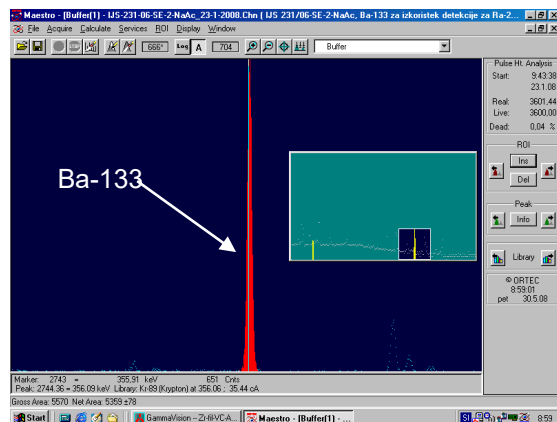
Alpha spectrometry



Liquid scintillation counting

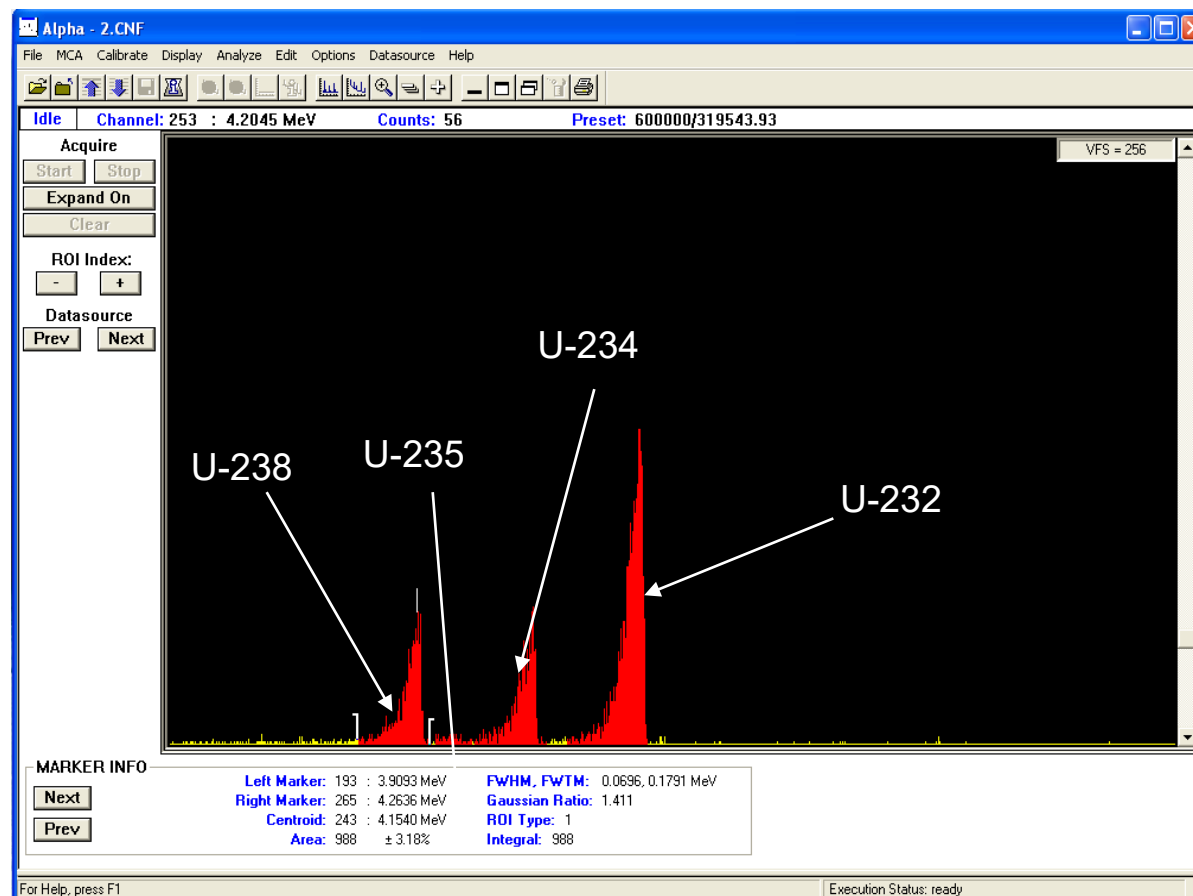


Proportional counting

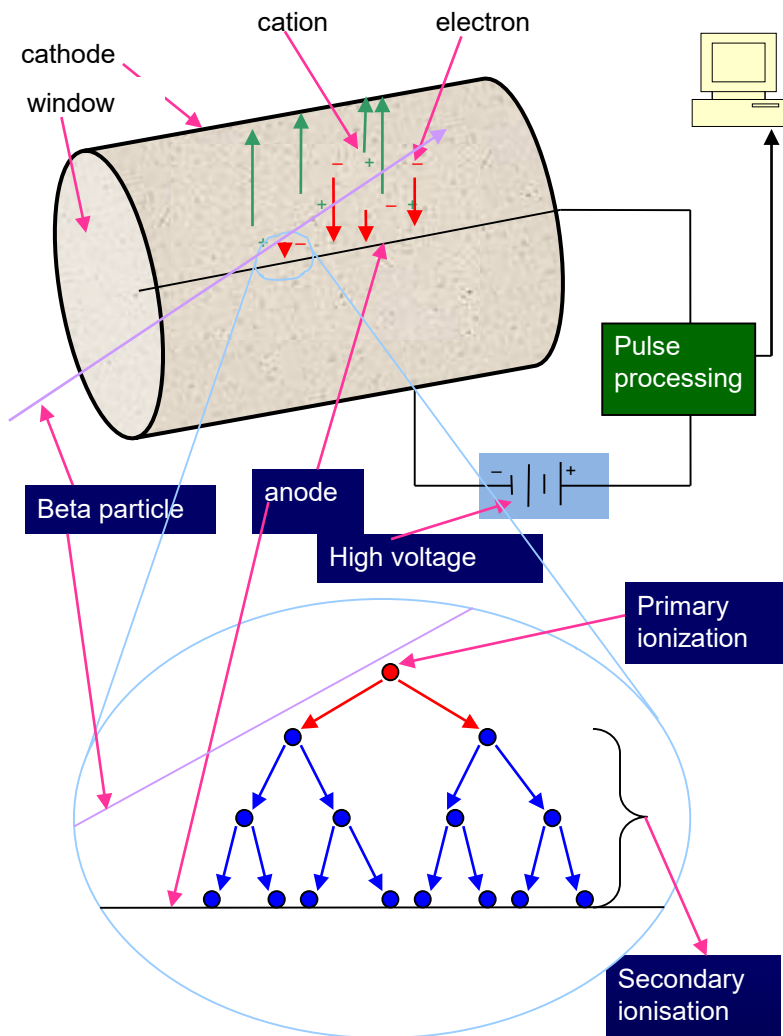


# Alpha-particle spectrometry

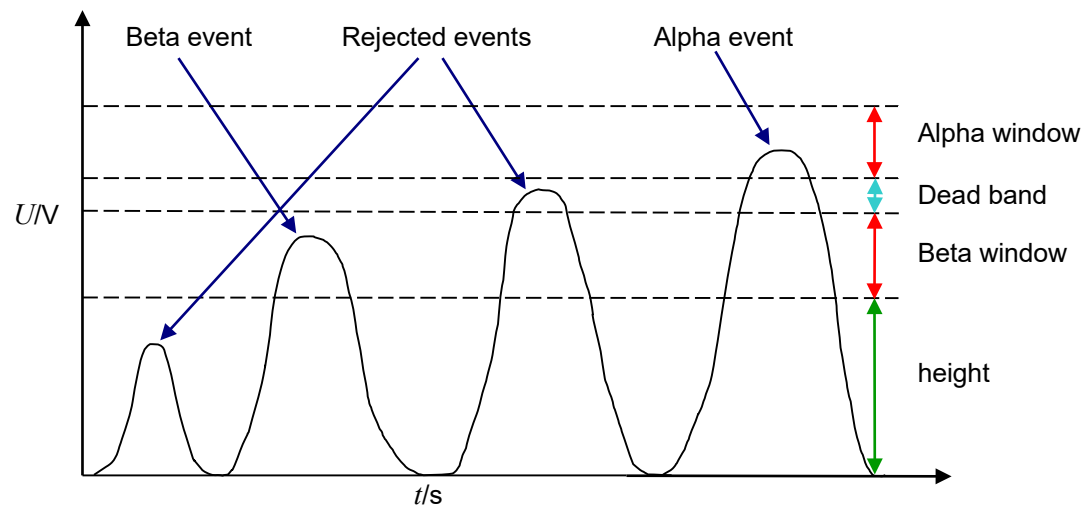
- PIPS semiconductor detectors
- Calibration
  - energy
  - efficiency
- Energy range 3-6 MeV
- Low energy tailing
- Importance of radiochemical separation



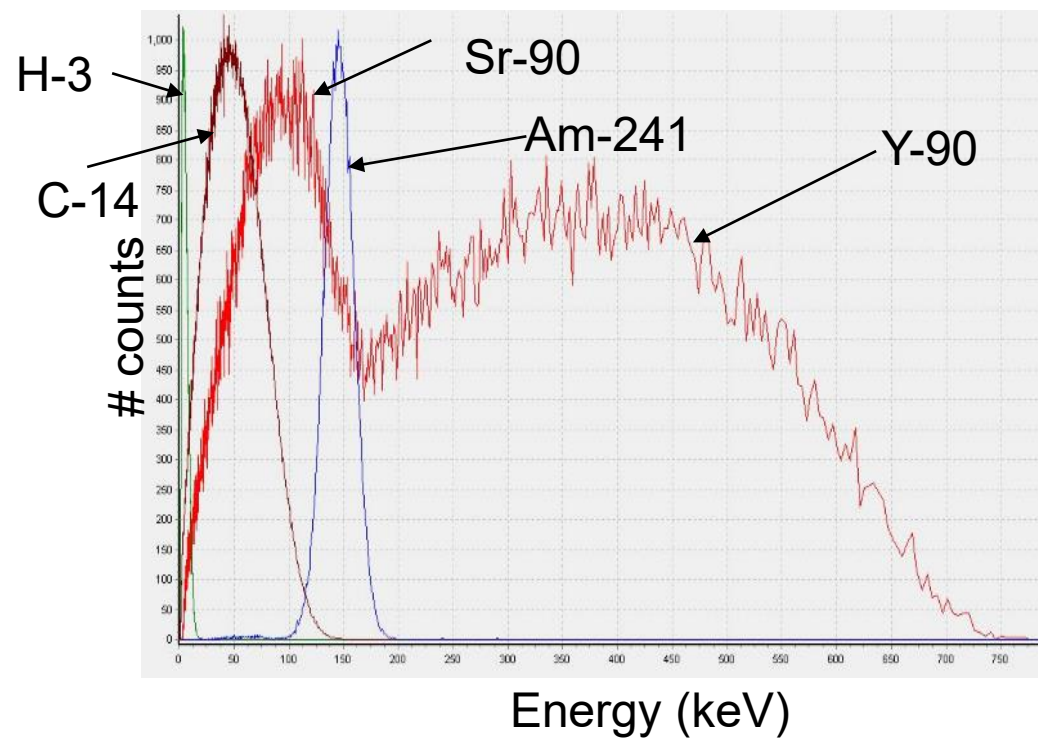
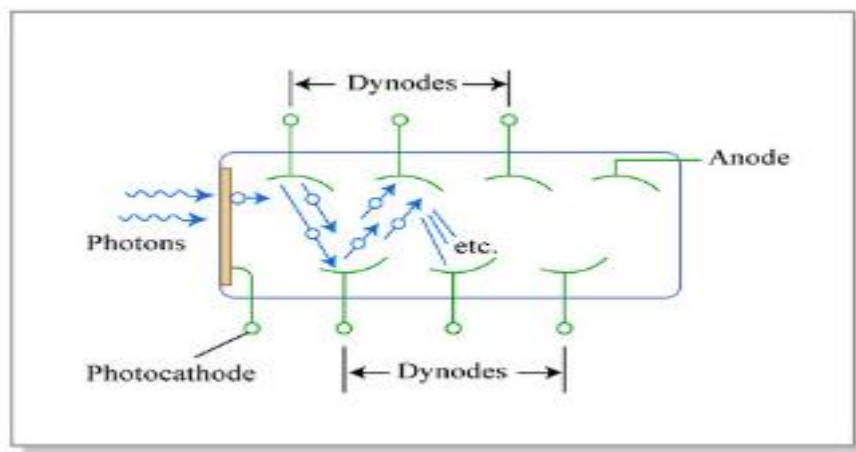
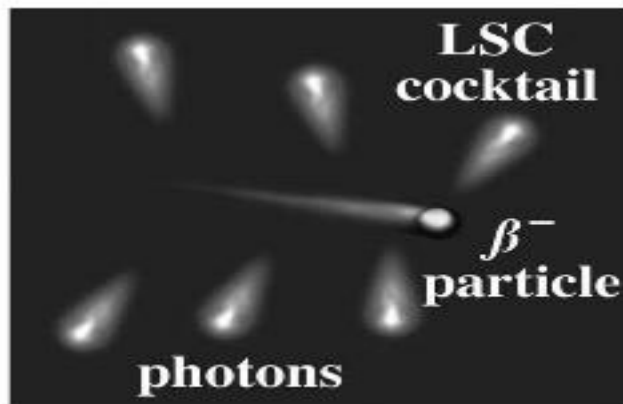
# Proportional counter



- No spectrum => information only if detected was alpha or beta emitter
- Importance of radiochemical separation

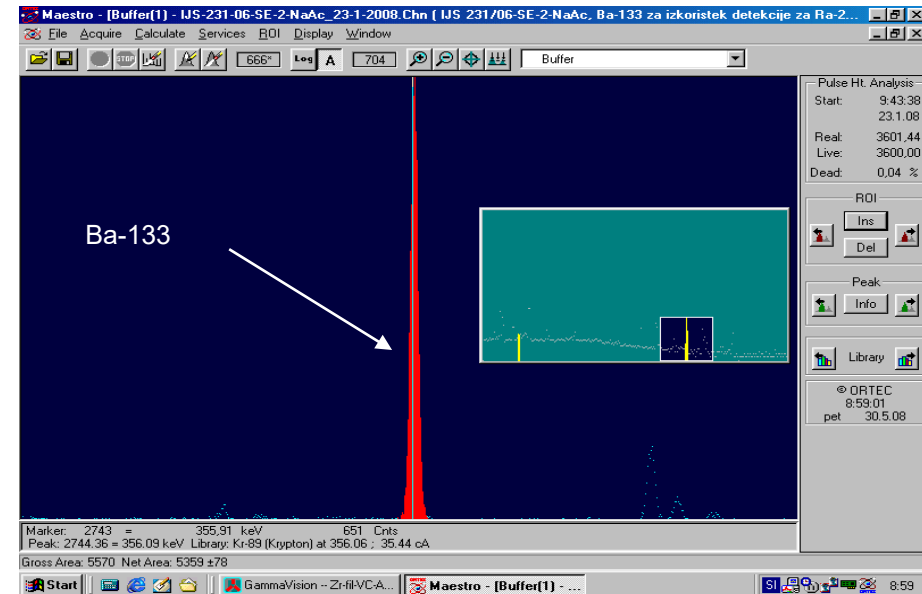


# Liquid scintillation counting

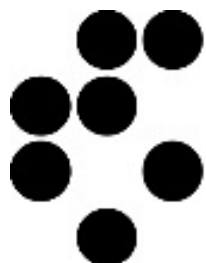


# Gamma spectrometry

- HPGe detectors
- Calibration
  - energy
  - efficiency



# meet cinch



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