

# EUROSPECTRUM-MCA



The **EUROSPECTRUM-MCA** equipment is a complet system which allows to connect different kind of detectors and preamplifiers manufactured by **EURO RAD**.

The system includes :

- A High Voltage power supply for the detector polarization.
- A Gaussien spectrometric amplifier adapted to the detector or probe delivered with the system.
- A rise time discriminator ( optional) which allows to enhance the spectrometric resolution and the pic to valley ratio of the CdTe detectors
- A Pulse test setup which allows to verify the preamplifier, amplifier circuit.
- A 4096 channel Multi Channel Analyser.

The optional rise time discriminator is a specific setup which allows to improve the spectrometric CdTe performances especially for the high energy ( 662 keV of  $^{137}\text{Cs}$ ).

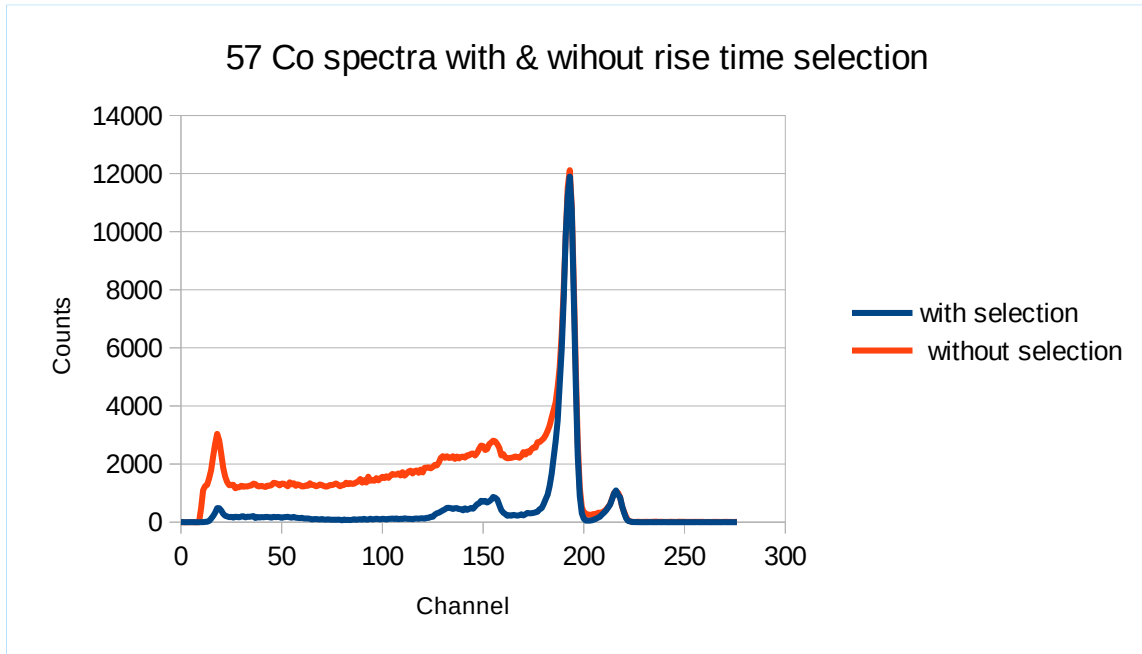
This option works with CdTe detectors presenting specific intrinsec properties in term of hole collection.

The system is powered by an external AC/DC power supply.

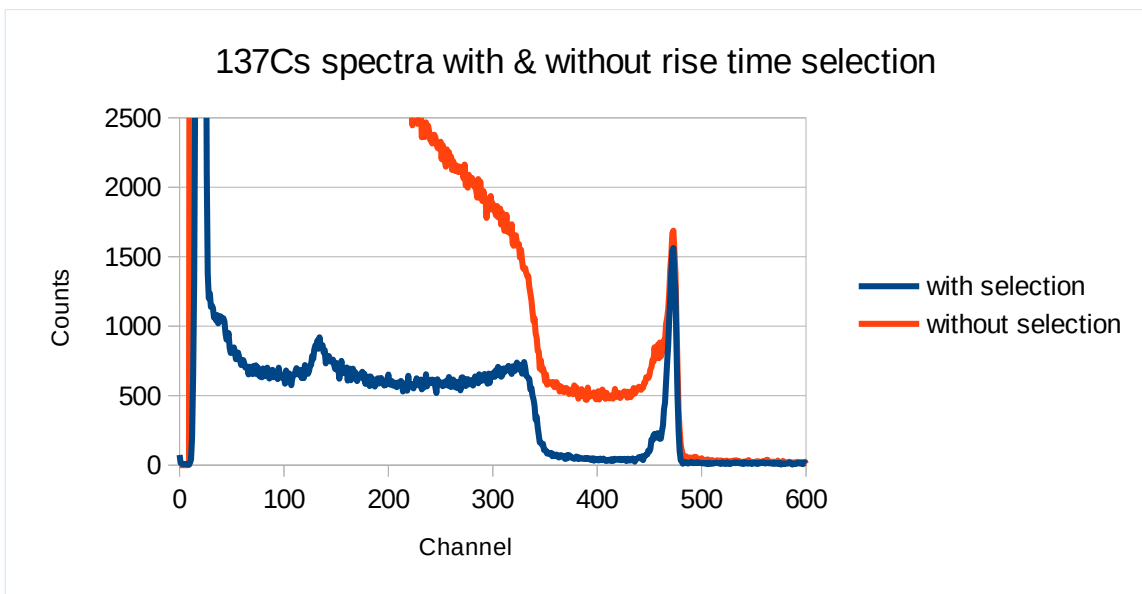
A multichannel analyser software is delivered in order to perform the detectors spectra.

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## EXAMPLES OF SPECTRA



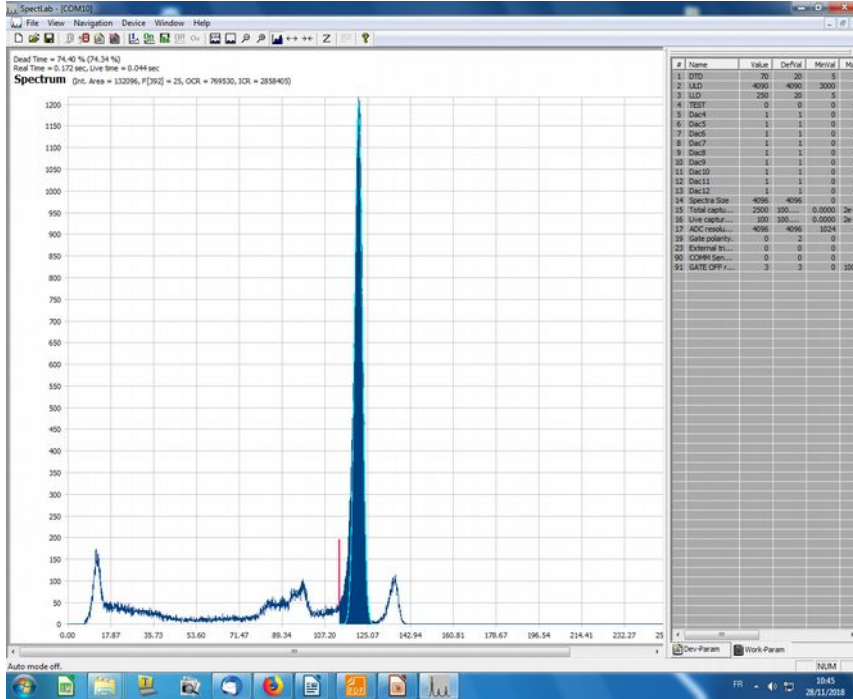
## CdTe <sup>137</sup>Cs spectrum with and without risetime selection



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## SOFTWARE SCREEN SHOT

### CdTe $^{57}\text{Co}$ spectrum with rise time selection



### CdTe $^{137}\text{Cs}$ spectrum with risetime selection

