



*Facultad
de
Ciencias*

APPENDIX II - SPECTRA

(Apéndice II - Espectros)

Trabajo de Fin de Grado
para acceder al

GRADO EN FÍSICA

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Spectra

Several examples of the obtained spectra are showed below. The uppermost sediment layer of the SV1 core (sample SV1-31) was chosen as a model for all the showed spectra. Similar spectra were obtained for the rest of the samples and also for the TM core.

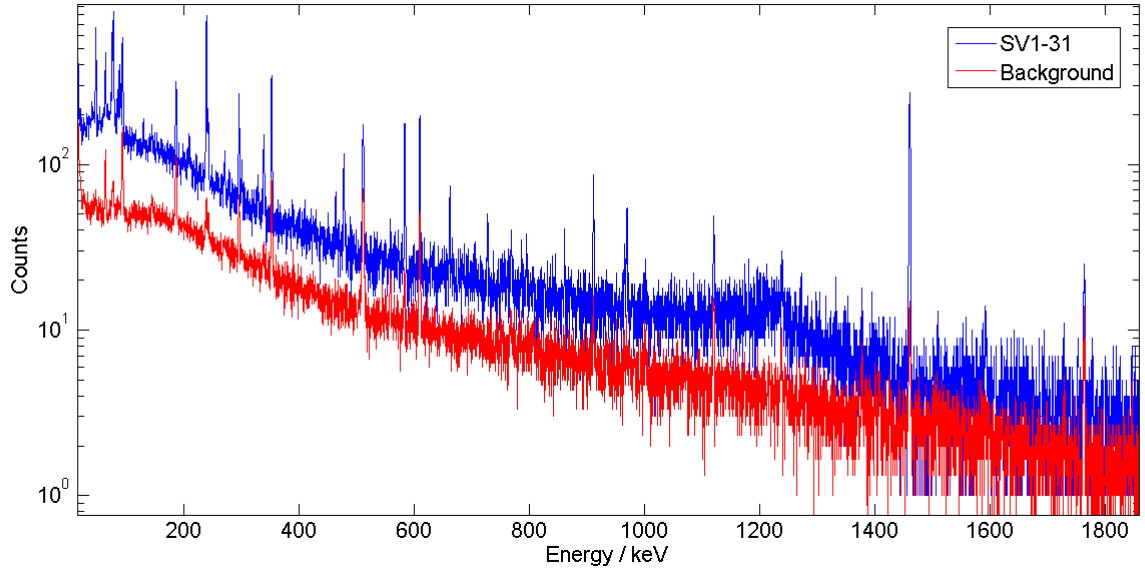


Figure 1: Spectrum of the uppermost SV1-31 sample of the SV1 core until 1800 keV (the detector measures until almost 2600 keV, but no important peaks were found in this last part, just noise).

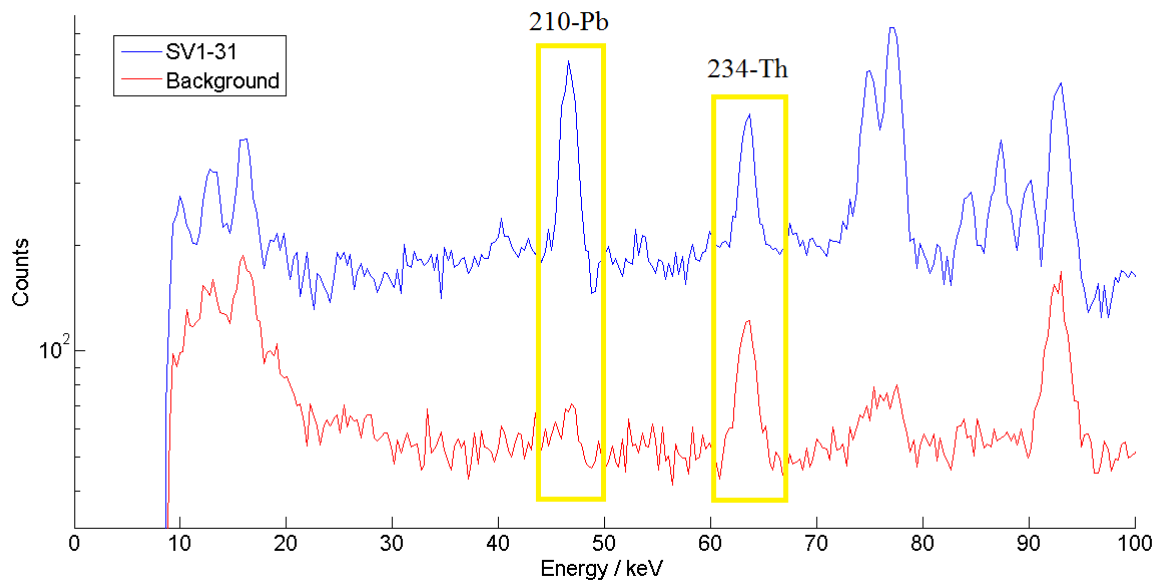


Figure 2: Spectrum of the uppermost SV1-31 sample of the SV1: zoom to observe the ^{210}Pb (46 keV) and ^{234}Th (63 keV) peaks.

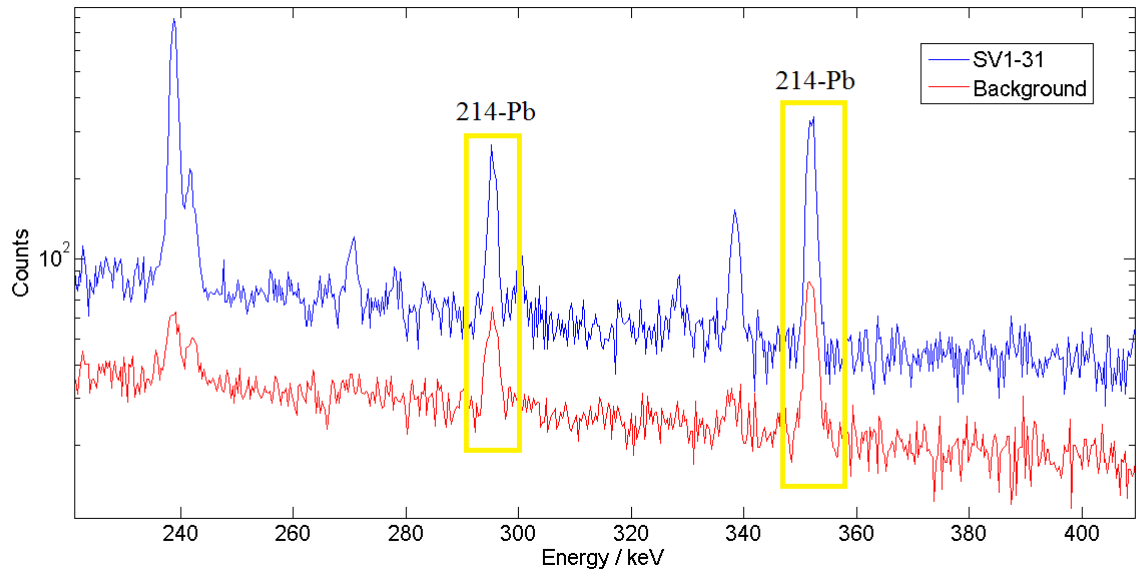


Figure 3: Spectrum of the uppermost SV1-31 sample of the SV1: zoom to observe the ^{214}Pb peaks at 295 and 352 keV.

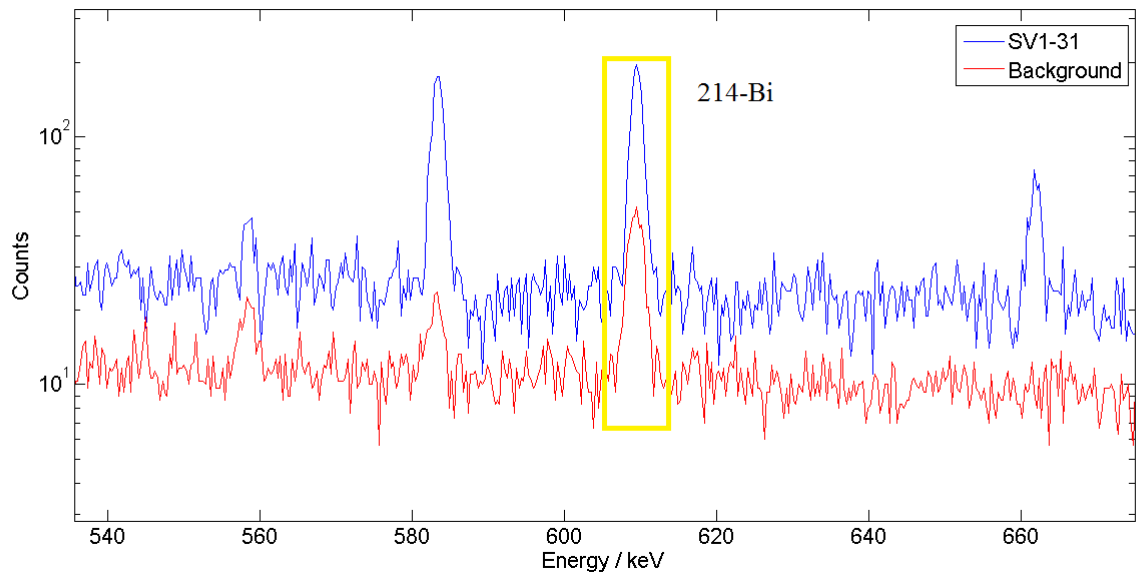


Figure 4: Spectrum of the uppermost SV1-31 sample of the SV1: zoom to observe the ^{214}Bi peaks at 609 keV.

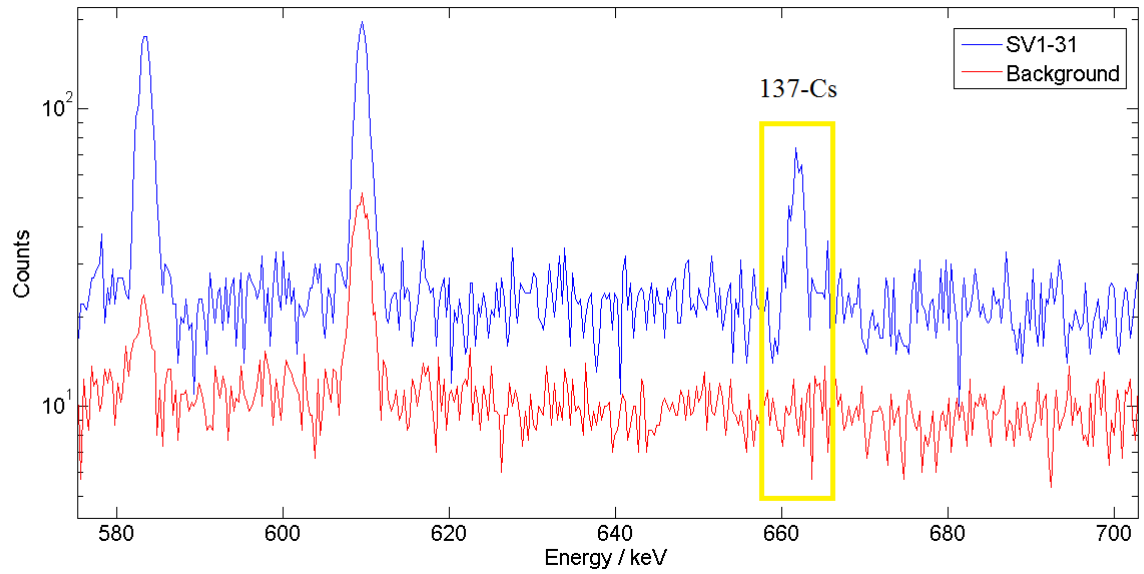


Figure 5: Spectrum of the uppermost SV1-31 sample of the SV1: zoom to observe the ^{137}Cs peak at 662 keV.

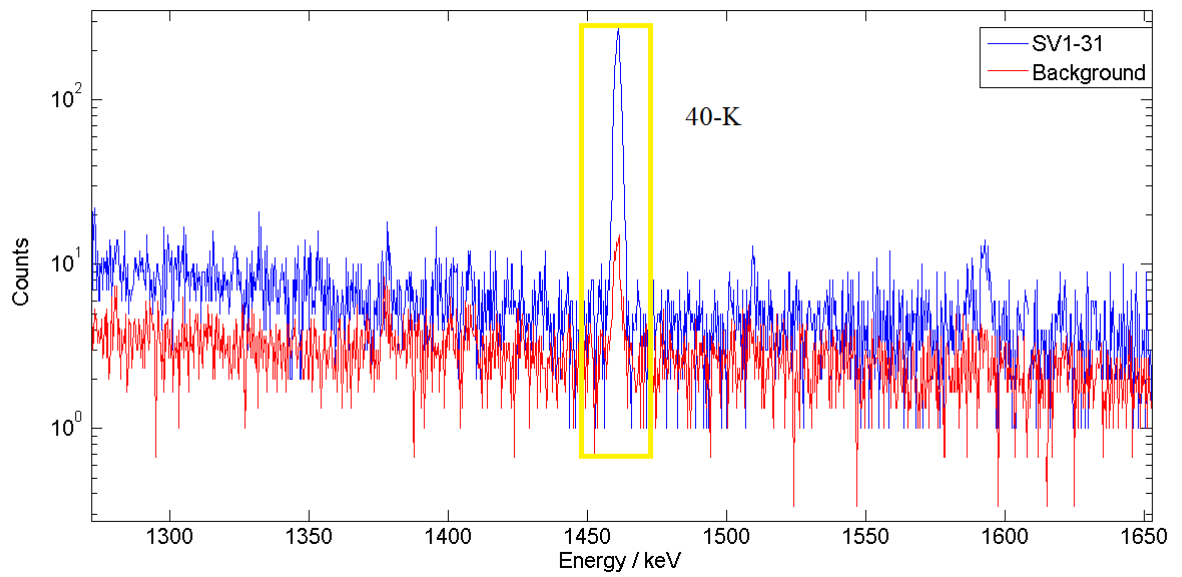


Figure 6: Spectrum of the uppermost SV1-31 sample of the SV1: zoom to observe the ^{40}K peak at 1460 keV.