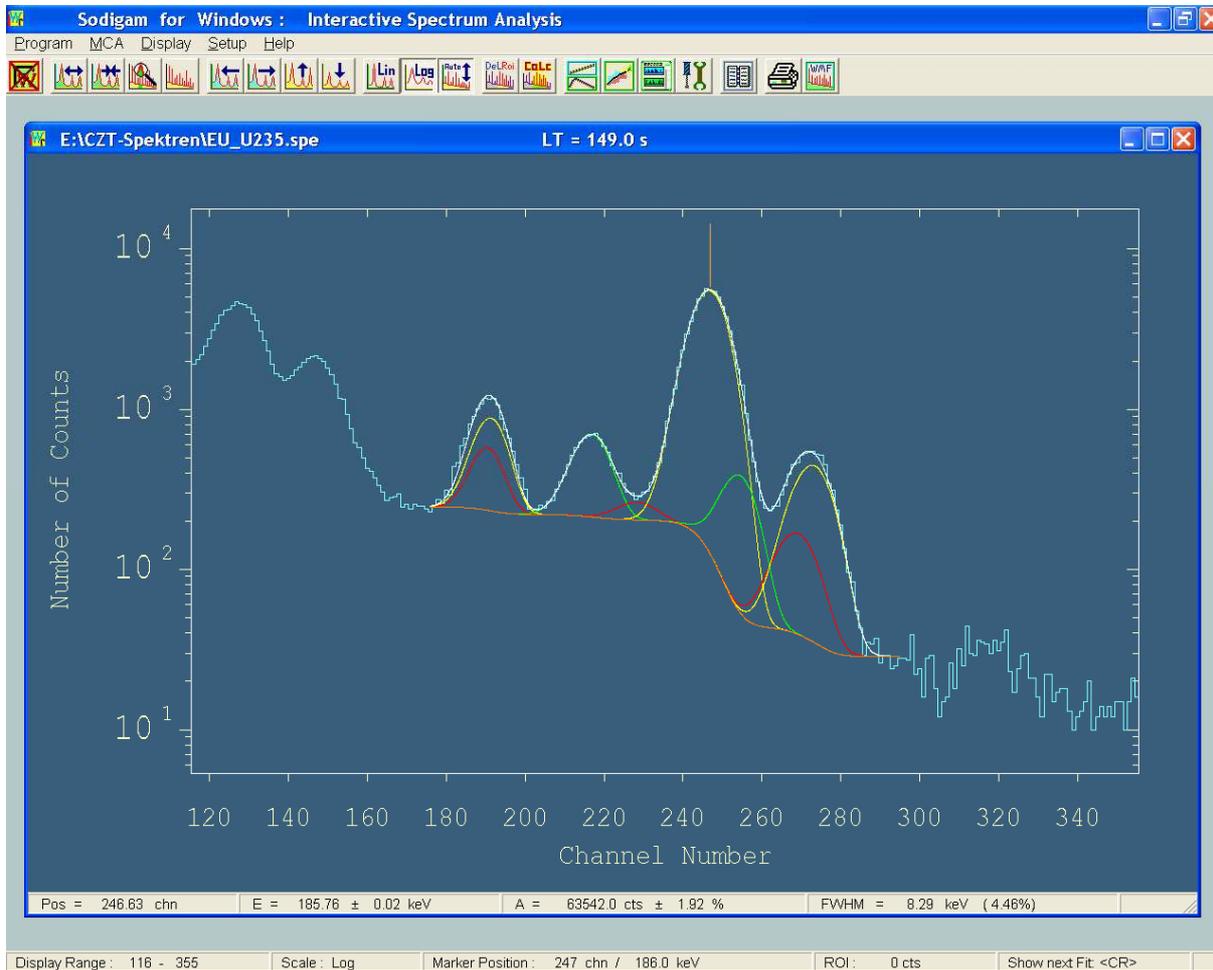


## Fit of peaks measured with a CZT detector



Spectrum measured for 2.5 minutes with a 1cm<sup>3</sup> CZT detector from a <sup>235</sup>U sample.

The peaks in the spectrum were fitted with the SODIGAM program for high-precision analysis of scintillator spectra. Fits of the <sup>235</sup>U peaks are indicated as red, yellow and green lines, the baseline under the peaks is plotted in brown. Fitted data of the biggest peak are given in the text line under the fit-display. Peak assignment are as follows:

Peak Assignments:

Library : E:\Gamma-W\_for\_Windows\Library\u235.lib

Spectrum : E:\CZT-Spektren\EU\_U235.spe

Sample mass = 1.0000 , measured for 149 seconds ± = 0.0 keV

| U-235g | /7.04E+08Y/ | Energy | E-Lit. | Ig/%  | Bq       |       |
|--------|-------------|--------|--------|-------|----------|-------|
|        |             | 185.8  | 185.7  | 57.20 | 745.6 ±  | 14.3  |
|        |             | 143.8  | 143.8  | 10.96 | 587.0 ±  | 29.5  |
|        |             | 144.4  | 144.3  | 3.24  | 1396.1 ± | 84.5  |
|        |             | 163.5  | 163.4  | 5.23  | 718.7 ±  | 48.2  |
|        |             | 205.2  | 205.3  | 5.01  | 720.5 ±  | 49.7  |
|        |             | 202.2  | 202.1  | 1.08  | 1057.5 ± | 142.9 |

=====  
Average activity from clear lines ( 6 ) 731.7 ± 51.0

ATTENTION!!! Activities are not corrected for EFFICIENCY!!!!!!