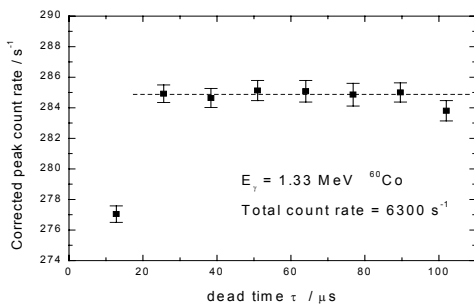


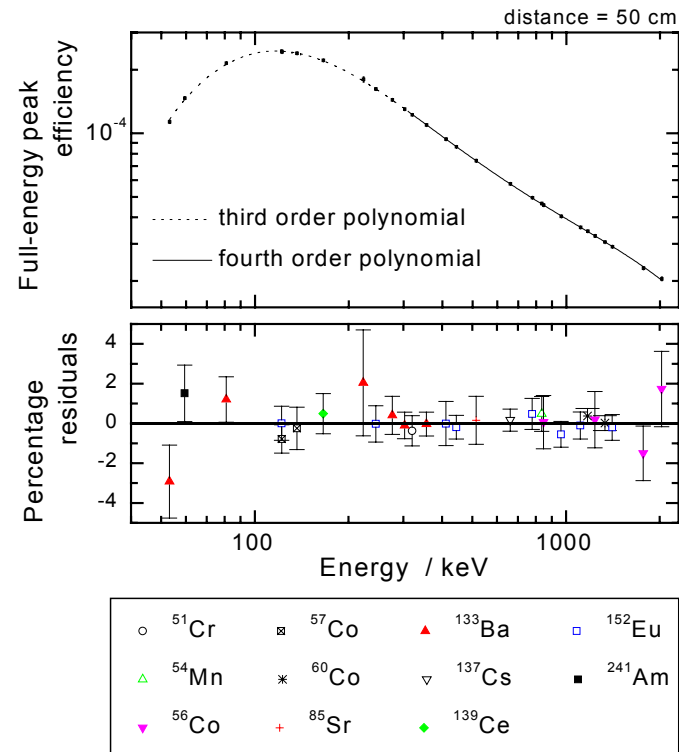
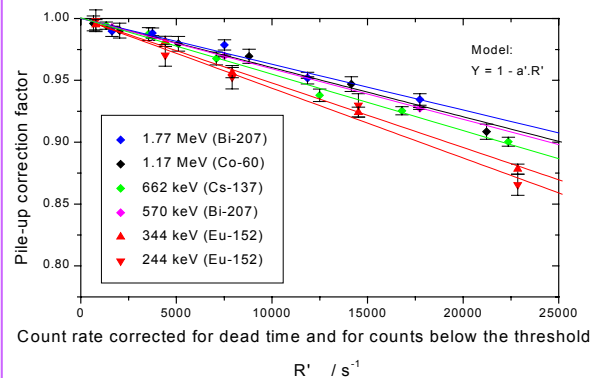
Efficiency calibration of the Ge(Li) spectrometer

Use of 11 SIR ampoules from 9 NMIs

Dead-time correction :
 $1 - \text{total count rate} \times \tau$



Pile-up correction :
 two-source method



Peak integration :
 simple summation in ROIs

True coincidence summing
 (when γ -rays in cascade) :
 KORSUM program (PTB)

Attenuation in the solution :

$$C_{\mu} = 1 + \frac{\Delta\mu}{\mu} - \frac{\Delta\mu}{\lambda \cdot (e^{\mu/\lambda} - 1)}$$

where μ is the filling height and λ the attenuation length

Uncertainty from
 glass ampoule base

