

Half Life Lab Task 3

KDSMIL001 — June 2021

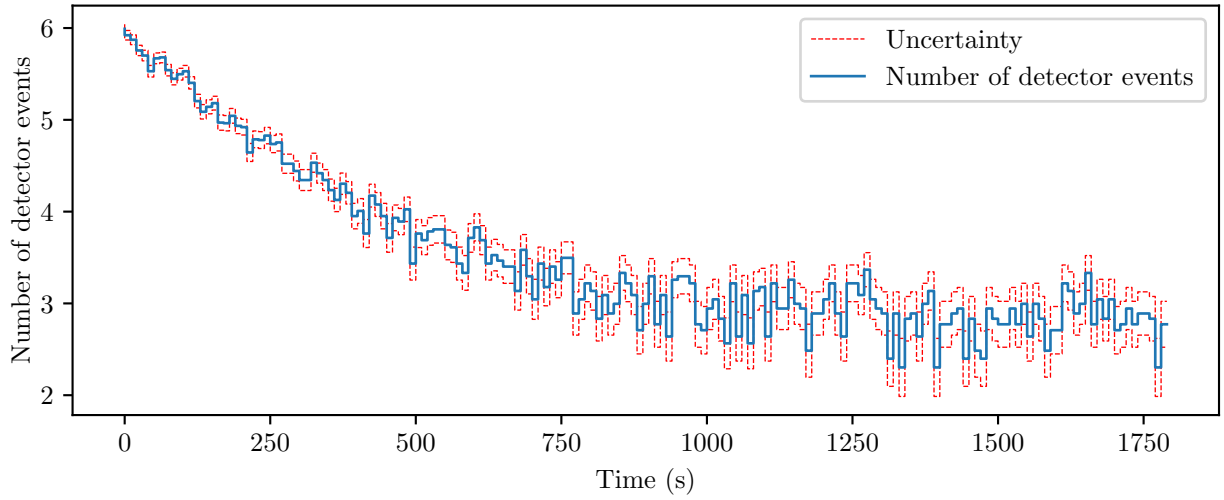


Figure 1: Gamma ray spectrum for ^{28}Al from NaI scintillator detector at experimental station 1 in PHYLAB3. Energy calibration done using ^{137}Cs , ^{22}Na , and ^{60}Co and data from the Nudat2 database [1]. Identification of features done with the help of the Nudat2 database [1] and Gilmore (2008)[2].

References

- [1] National Nuclear Data Center, Brookhaven National Laboratory. (2008, March 18). NuDat (Nuclear Structure and Decay Data). <https://www.nndc.bnl.gov/nudat2/>
- [2] Gordon Gilmore. (2008). *Practical Gamma-ray Spectrometry*. Chichester: Wiley