

Figure 4.7 is a graph of absolute efficiency for a closed-end coaxial PHYGE detector of 15.4% relative efficiency. The point sources used to produce the absolute efficiency graph were at a distance of 25 cm.

In actual practice sources are seldom placed as in the IEEE test procedures. Users generally place source or samples as close to the detector end cap as possible. As such, each experimental set-up must be individually calibrated as to type and geometry of source, source distance, collimation, shielding, etc.

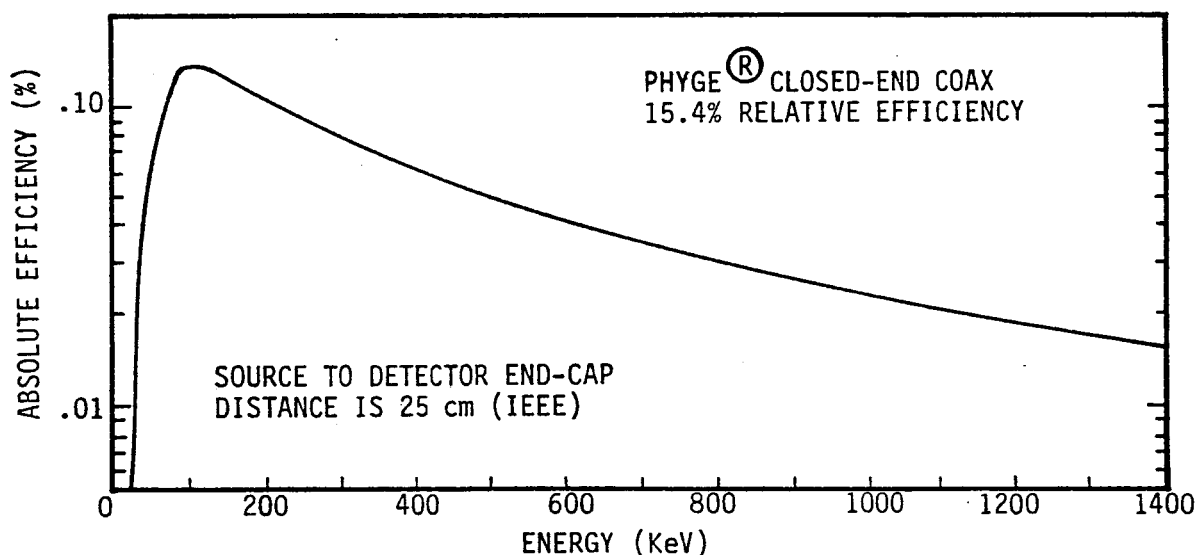
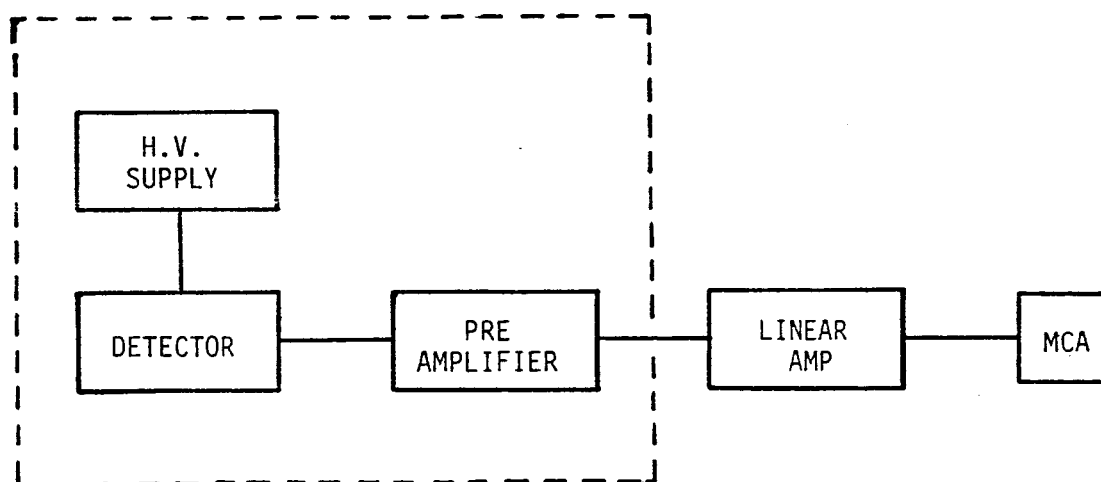


Figure 4.7

4.6. Electronics

4.6.1 Spectrometer System Description

A spectrometer system for energy spectroscopy, shown schematically Figure 4.8 includes:



CS, PS WITH SP104

Figure 4.8