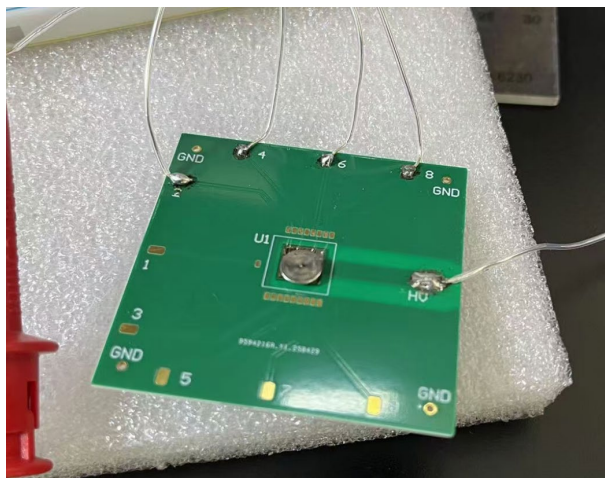
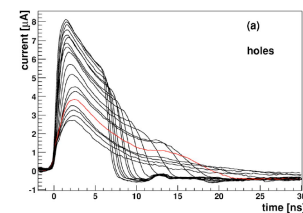


Diamond microstrip detector – signal

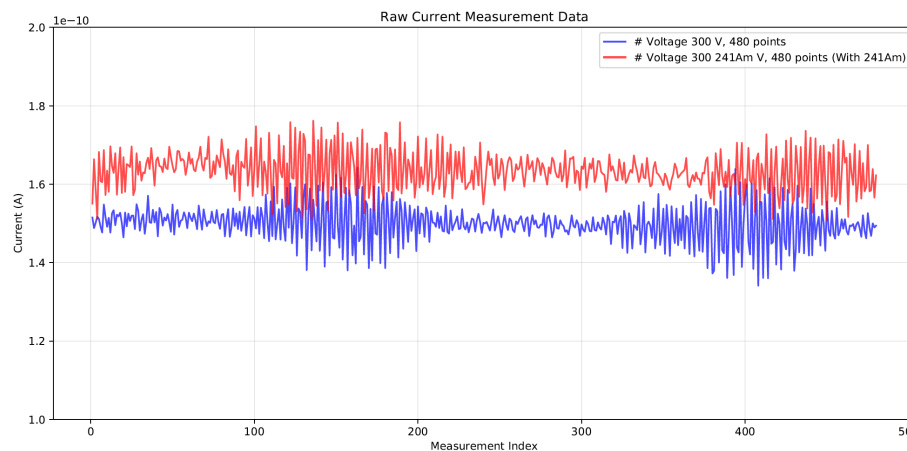
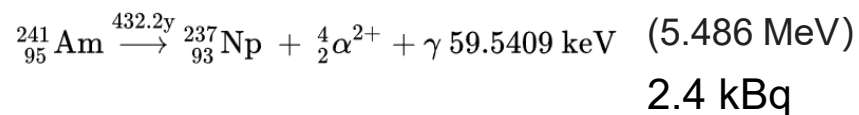
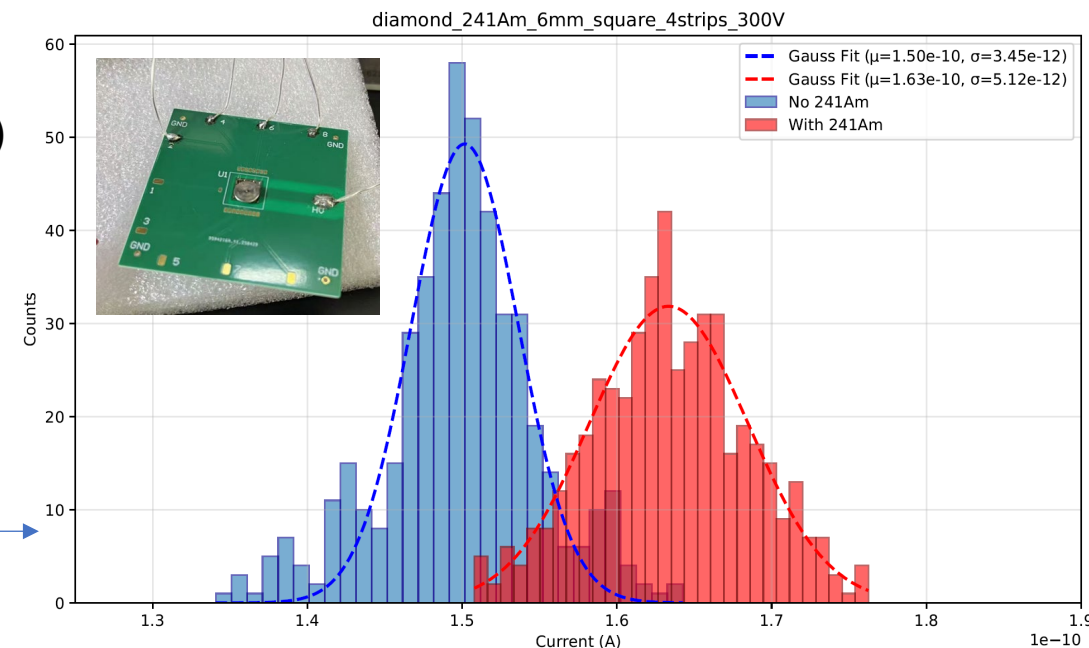
- IV test
 - IV Results of each strip
- MIP / Alpha signal



- IV
 - 480 IV pts (5 min)



Interval 20 ms



$$Q = 50 \text{ fC} = 50 \times 10^{-15} \text{ C}$$

$$\Delta I = 13 \text{ pA} = 13 \times 10^{-12} \text{ A}$$

$$I = \frac{Q_{\text{total}}}{t} = R \cdot Q \Rightarrow R = \frac{I}{Q}$$

$$R = \frac{13 \times 10^{-12}}{50 \times 10^{-15}} = 260 \text{ particles/s}$$