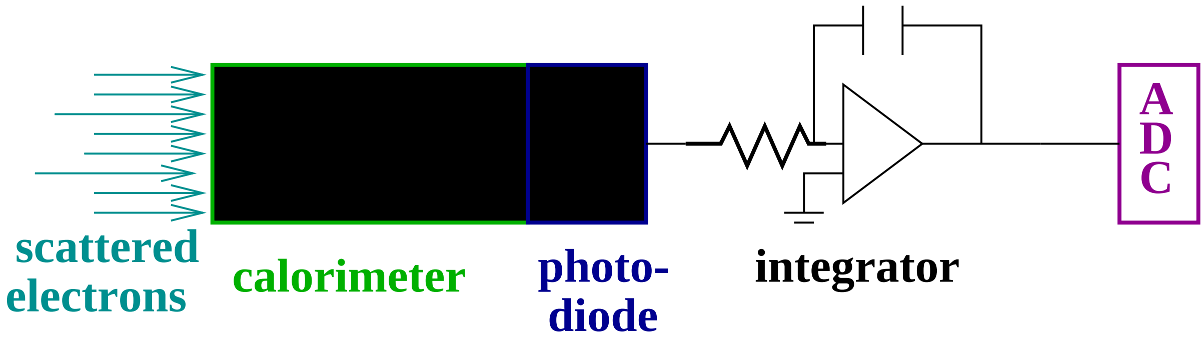
Flux Counting Technique



eliminate dangerous dead time problems

$$\frac{\sigma(N)}{N} = \frac{1}{\sqrt{N}} \sqrt{1 + \left(\frac{\sigma(E)}{E}\right)^2}$$

$$\frac{\sigma(N)}{N} = 10^{-4} \longrightarrow 10^{8} \text{ Events/pulse}$$

Rates exceeding 1 GHz

ADC with true 16 bit precision

$$N, I, E, X, Y, \theta_X, \theta_Y$$