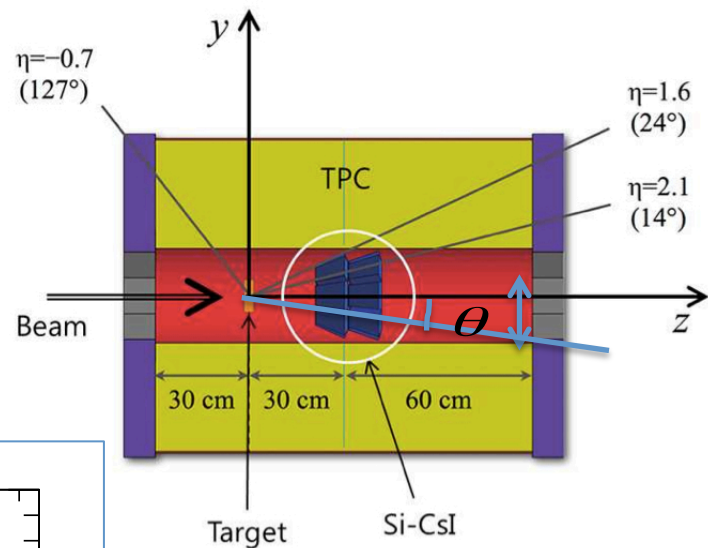
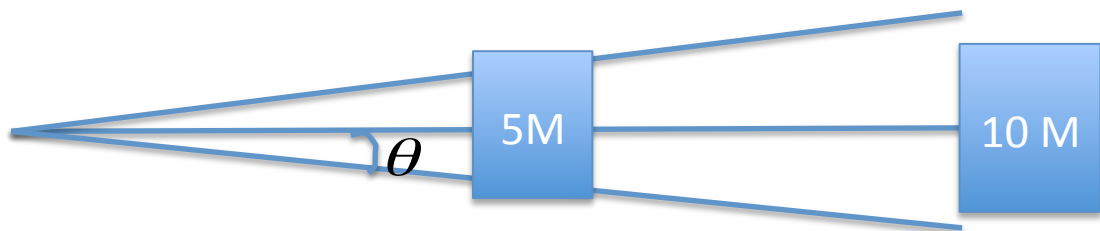


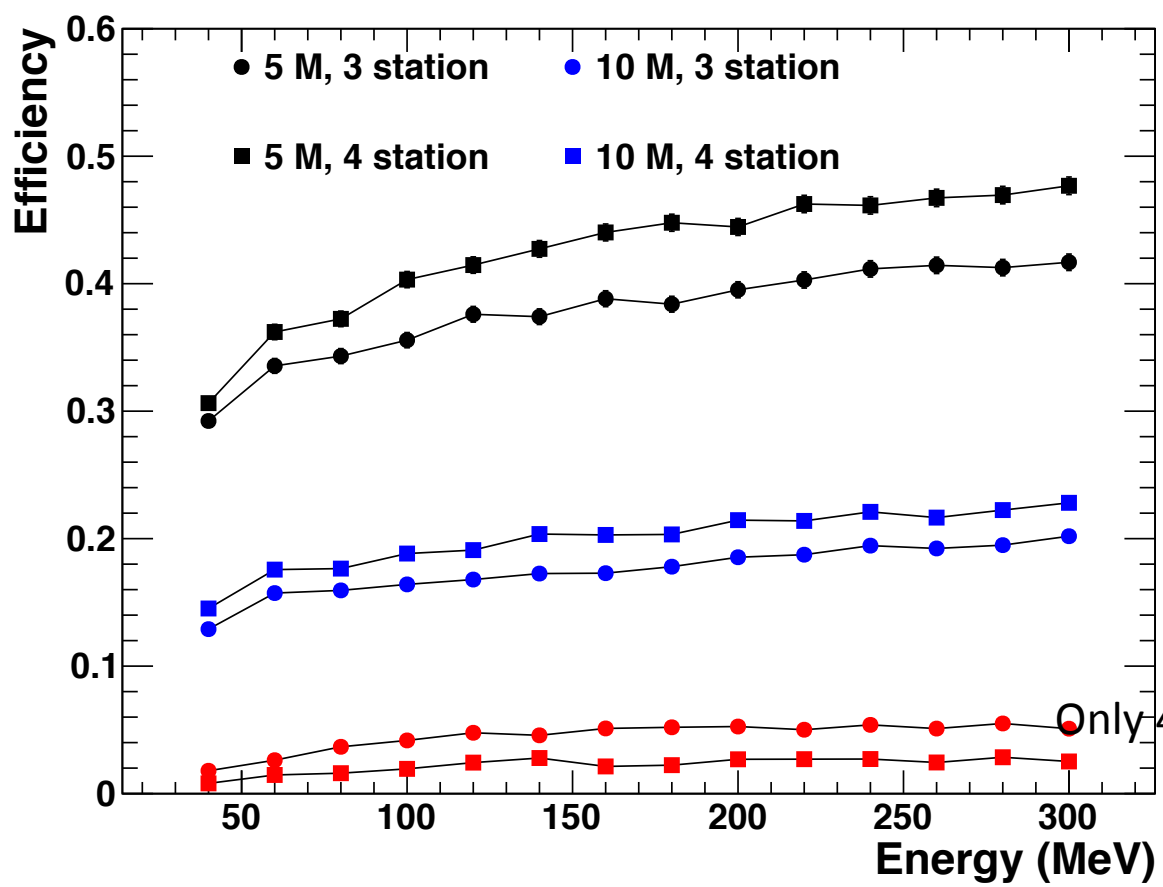
3 station detector is OK?



$$\theta = \tan^{-1}(0.15) = 8.53^\circ$$

$$d = \frac{1m}{\tan 8.53^\circ} - 1m = 5.6m$$

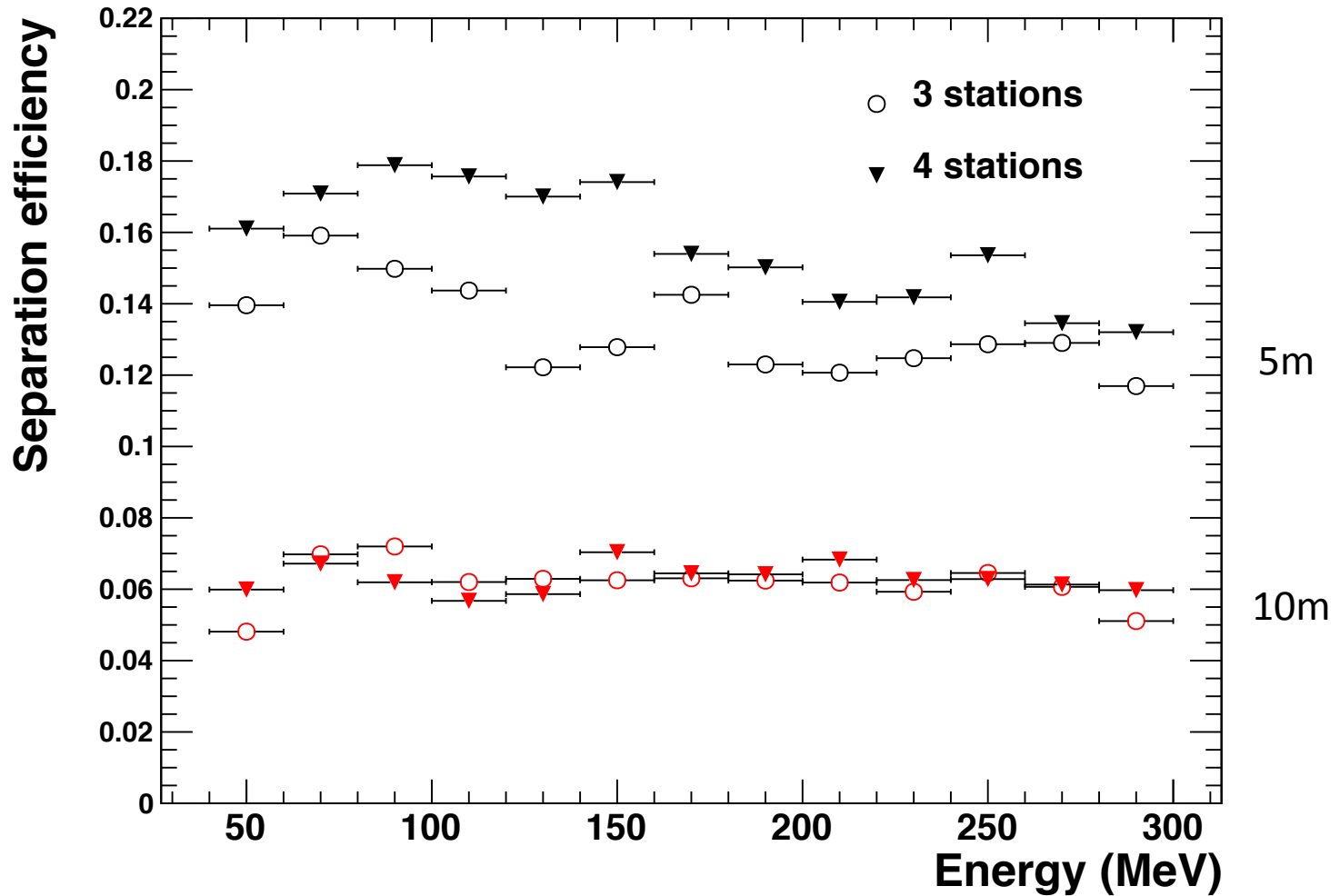
Single neutron efficiency



Only 4 station is fired

2 neutron generation (250000 events)
5m, 10m distance from target

Separation efficiency = # of correctly separated events / (number of events - no remained signal events)



3 neutron

