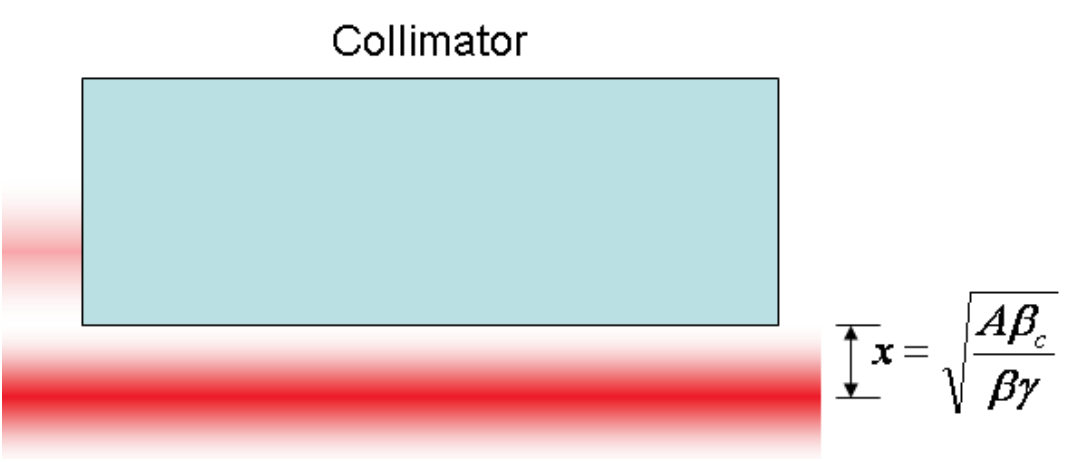

Collimator
$x = \sqrt{\frac{A\beta_c}{\beta\gamma}}$