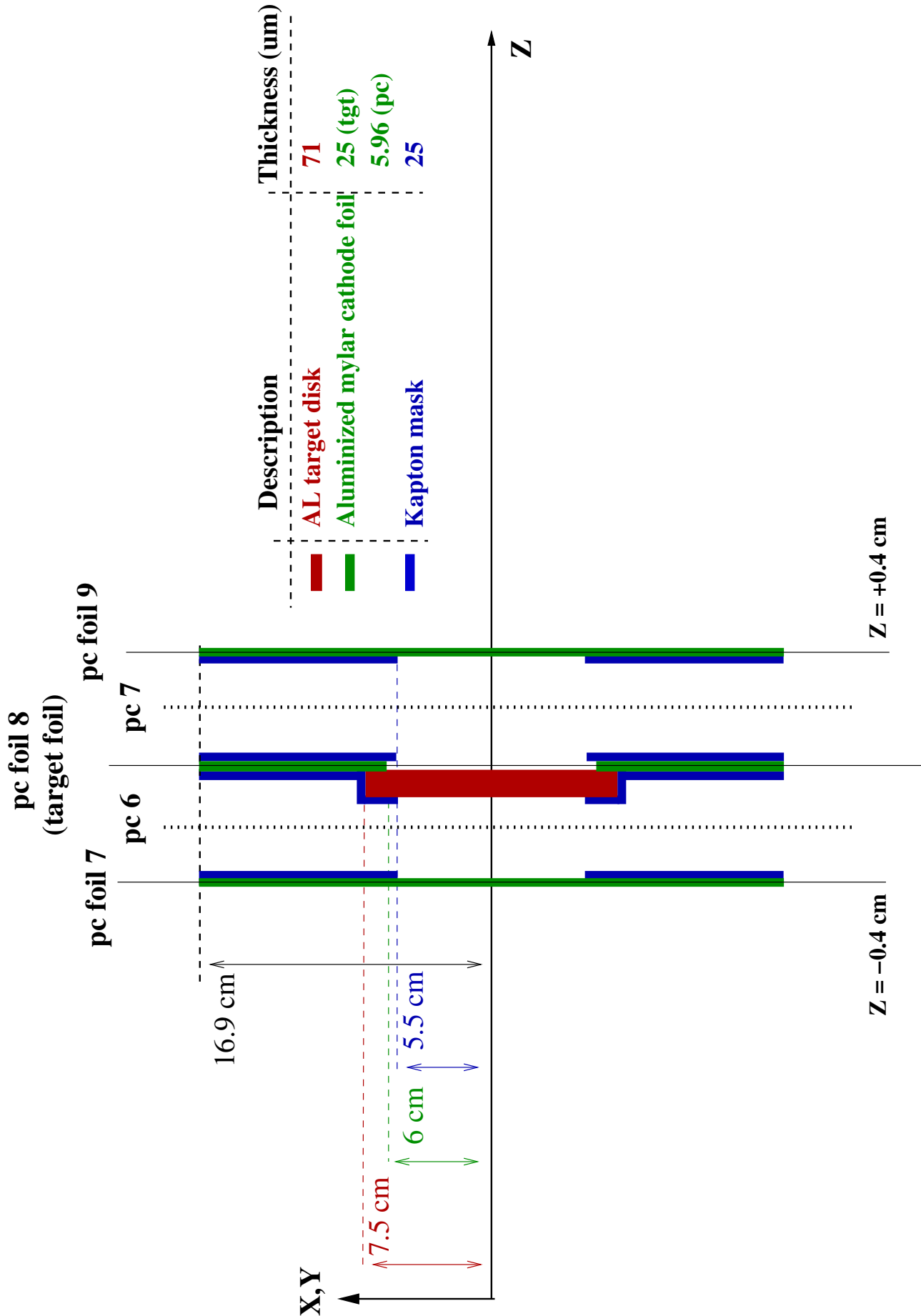




$$Z_{tgt_foil} = 0.0015 \pm 0.0050 \text{ cm}$$

$$\begin{aligned} Z_{tgt} &= Z_{tgt_foil} - tgt_foil_t/2 - tgt_t/2 \\ &= 15 - 12.5 - 35.5 = -33 \text{ μm} \end{aligned}$$