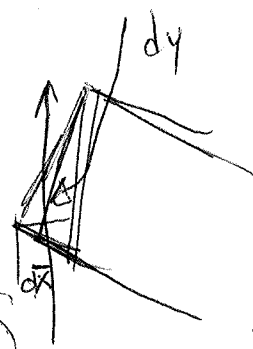


Si @ 10.91 keV
 $\mu = 61.3084 / \text{cm}$
 total w/ incline.

$l = 10 \text{ mm} / 61.3084$
 $= 0.1631 \text{ mm}$

* $dy = \alpha dx$

$\alpha = 2 / \sin(2\theta)$ $\theta = 70^\circ$
 $= 3.11$



Expect eff. ~~ab~~

$l / \alpha = 52.44 \mu\text{m}$

a little more absorbing.

* From Dufresne et al
 JSR 2009 V16 358-367

$E_{\text{field}} \rightarrow k_0 \alpha \beta$

$\beta = 5.21 \times 10^{-8}$
 $\lambda = 1.1364 \text{ \AA}$

$\frac{2 \cdot 2\pi \alpha \beta}{\lambda} dx$
 $\sim \frac{55.8 \mu\text{m}}{m} \cdot 17917.47 = 55.8 \mu\text{m}$