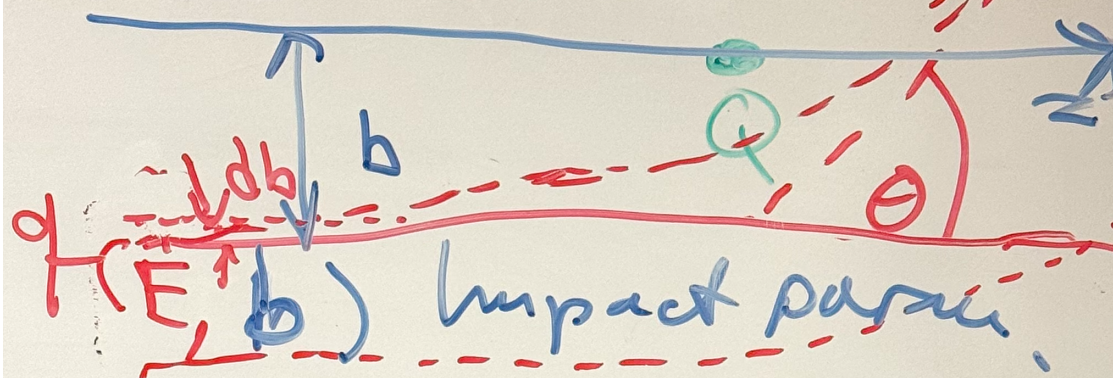


Ring area $2\pi b db$



$$\frac{db}{d\Omega}(\theta)$$

$$d\Omega = \sin\theta d\theta d\phi$$

$$\frac{db}{d\Omega}(\theta(b))$$

$$= \frac{e^4 / (4\pi\epsilon_0)^2}{(2E \sin^2 \theta/2)^2}$$