









More advanced model of spatial frequency DQE  
for a-SeIntegrating detectors
$$\mathcal{DQE} = \frac{\mathcal{E}}{1 + \frac{\sigma_{add}^2}{\varepsilon \cdot N \cdot \left(1 + \left(\frac{\Delta E_{dep}}{\langle E_{dep} \rangle\right)^2 \cdot \left(\frac{e \cdot E_{\gamma}}{W_{ion}}\right)^2\right)}$$
To understand the DQE one has to  
measure  $W_{ion}$  $\mathcal{U} = \frac{\mathcal{E} \cdot \eta \left( E_{\gamma} \cdot e \cdot E_{\gamma} \cdot \Gamma \left( E_{depletion} \right) \right)$ 









