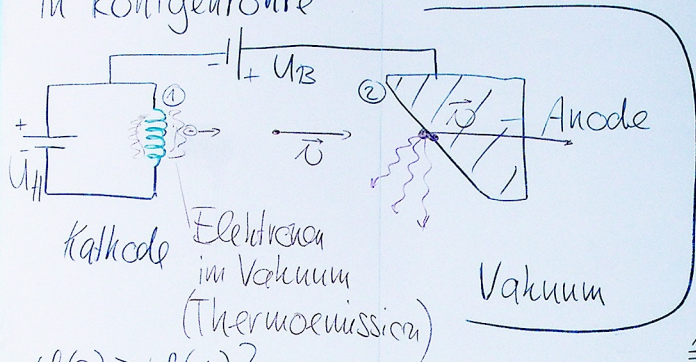


Beschleunigungsspannung in Röntgenröhre



$$\left. \begin{array}{l} \varphi(2) > \varphi(1) \\ q = -e \end{array} \right\} E_{\text{pot}}(2) < E_{\text{pot}}(1)$$

$$\text{EFH: } -e\varphi(1) + \frac{1}{2}mv_1^2 = -e\varphi(2) + \frac{1}{2}mv_2^2$$

$$\begin{aligned} \frac{1}{2}mv_2^2 &= e(\varphi(2) - \varphi(1)) \\ &= \underline{\underline{e \cdot U_B}} \end{aligned}$$