

 $\overline{G} = \frac{1}{100} \overline{I}_0$ $: \quad I = I_0 G s^2 \theta$ 10 Io = Io Cos 26 [] mh= 2d sin 6 $(2)(0.07\times10^{-9}) = 2\times1\times10^{-9}$ $(2)(0.07\times10^{-9}) = 2\times1\times10^{-9}$ [8] $mh = 2 d sin \theta$: $1 \times 6 - 2 \times 10^{-10}) = 2 \times d \times sin (7.8)$: d= 2-35x6-10m

$$\begin{array}{lll}
h = 6.625 \chi |_{0}^{-34} \\
C = 3 \chi |_{0} |_{0} \\
e = 1.6 \chi |_{0} |_{0} \\
m = 9.1 \chi |_{0}^{-31}
\end{array}$$

$$\begin{array}{lll}
h = \chi_{nex} + \varphi \\
(6.625 \chi |_{0}^{-34}) \left(\frac{C}{\lambda}\right) = e^{\gamma} \int_{0}^{1} \varphi \\
(6.625 \chi |_{0}^{-34}) \left(\frac{3 \chi |_{0}^{3}}{\lambda}\right) = (1.6 \chi |_{0}^{-19}) (5) + (2.2 \chi |_{0} |_{0}^{10}) \\
\vdots & & & & & & & & & \\
1.7 \chi |_{0}^{-7} m$$

$$\begin{array}{lll}
\chi = 1.7 \chi |_{0}^{-7} m
\end{array}$$

$$\begin{array}{lll}
\chi = 1.6 \chi |_{0}^{-34} \\
\chi = 1.6 \chi |_{0}^{-34} \\
\chi = 1.6 \chi |_{0}^{-19}
\end{array}$$

$$\begin{array}{lll}
\chi = 1.6 \chi |_{0}^{-19} \\
\chi = 1.6 \chi |_{0}^{-19}
\end{array}$$

$$\begin{array}{lll}
\chi = \frac{1.6 \chi |_{0}^{-19}}{0.5 m} = \frac{1.6 \chi |_{0}^{-19}}{0.5 \chi g_{-11} \chi |_{0}^{-2}} \\
\chi = \frac{1.6 \chi |_{0}^{-19}}{0.5 m} = \frac{1.6 \chi |_{0}^{-19}}{0.5 \chi g_{-11} \chi |_{0}^{-2}}$$

$$\begin{array}{lll}
\chi = \frac{1.6 \chi |_{0}^{-19}}{0.5 m} = \frac{1.6 \chi |_{0}^{-19}}{0.5 \chi g_{-11} \chi |_{0}^{-2}} \\
\chi = \frac{1.6 \chi |_{0}^{-19}}{1.6 \chi |_{0}^{-19}}$$

$$\chi = \frac{1.6 \chi$$

which E must be more than & to effect electron So choose ABa and Pil hf = Knex + 4 5 h= eVstop++ :. Vstop = (h = - +)/e $= \left[\frac{(6.625 \times 10^{-34})(3 \times 10^{8})}{(400 \times 10^{-9})} - (1.8 \times 1.6 \times 10^{-19}) \right]$ (1.6x10-19) Knax = Imv2 $: V = \sqrt{\frac{2eV}{m}} = \sqrt{\frac{2x1.6x16^{-19}x1.3}{9.1x16^{-39}}}$ = 6.76 × 10 5 m/s Jobellojep N K je i oldet h = = = = + + V= (h = - +)/0.5m V= [12/11/1] = V

