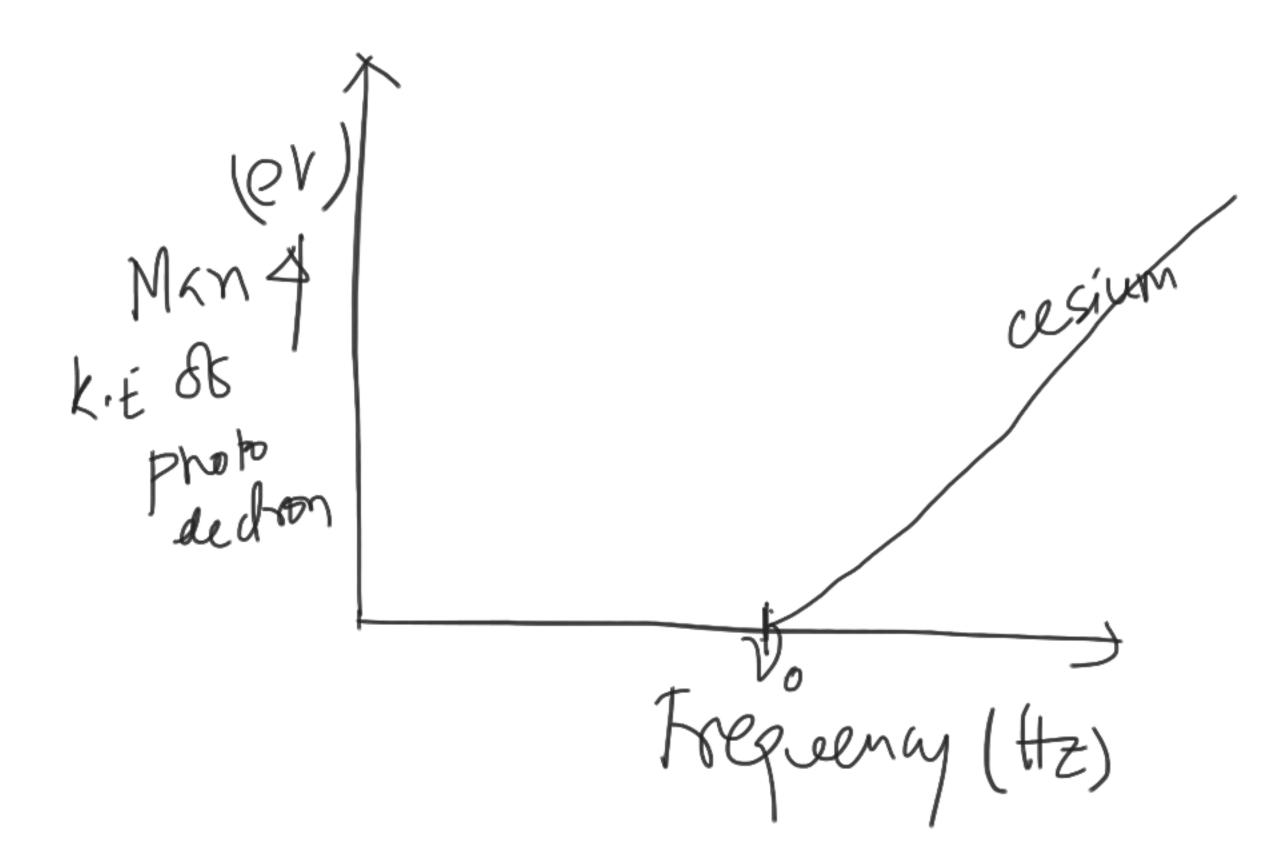
BPT-401 Photoelectric effect

Date-17/04/2021

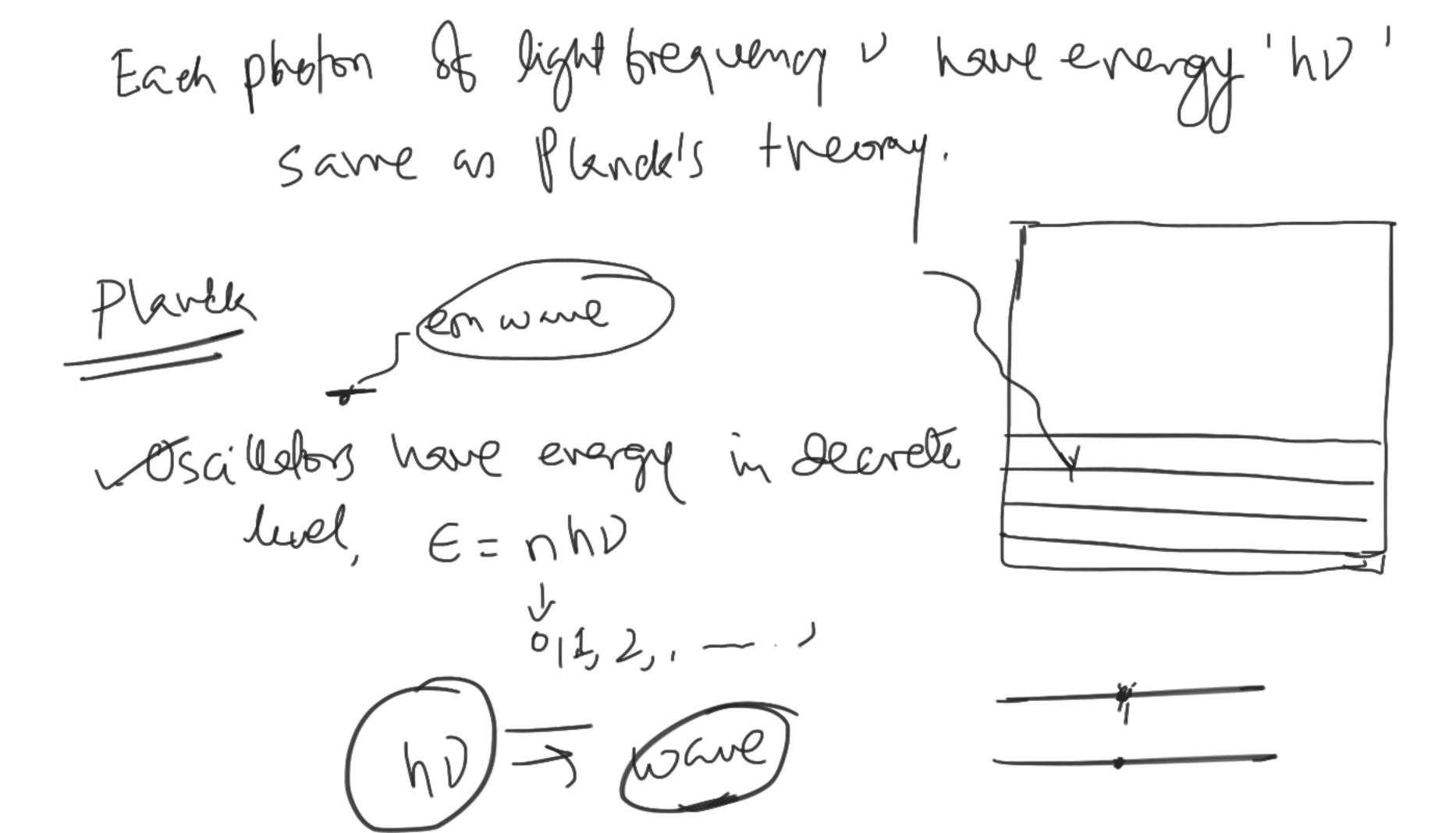
Tem whetheory

few ev

V=Cont.  $V_1 > V_2 > V_3$ Intensity fixed



Quantum theory of light : In 1905 Einstein on gave a theory that the energy is concentrated in a small partiet on photon.



Einstein E=hV THE = hu-hvo KE=0

hD = K.Eman + P work function of the metal surfacel No delay = between absorption and evission proto-electron

- IPC X Intensity of light Same V brequency of hight => hv Intensity increases more photoms. IT Higher brequency energy of the photon is higher Dork function =>

P is the minimum energy required by the electron to escape the motal surface. b=h/0 / is helt of the corrischen evergy

to 3.53 eV & visible to UV borg