Quantamphysics E=hl h-> planch & condan electron Volt 1eV=16×10-19J W= a, V=1-6×10-19J

Photoelectric diffect -emitted à asse ranouen às photo i 21 was found that when electromagnia radiations was invited from these metals further securition for a given metal - No electrons was a mitted below a cortain sequency smound of the threshold from many for the sequency smounds the threshold from many Dinocaso In Emitted e had moraln-C= 60 10 888 word sunation of that element det if ng = 0 -> & smitted with OE if h f > 0 > I emitted with rost of model photoms to a traduction is increased in model photoms to a traduction is increased in model of a photom we get 12 (for up when you son start) 2 omitted a nove more enough Centernation The Ex of photo a only depended the god werey of incident photons. Moto dictoric effect > provides livideno Laiffraction for vouse naturo. Xmoir do 2 d s/m 0 dSIMO+dSIMO=2dSIMO $idZdSIMO=ml_(construction)$ idZdSIMO=(n+1)l(destruction)

Any porticle moving vith a velocity of someway have a would zin must have a vocablingth is given by momentum P-> momentura 224) Energy revolls in Line spectra loselle of energy which ever unique only anos whom too atom is at sost ground morge Man it is said to be in a gooding state is it has loveet energy level. state to se in the second since the state of the agents of the second states and the second states and the second since the s the anode at a high speed. In doing so

by collide against the hydrogenatoms, which will than rish to an excited & lome down to the ground Ingra Energy/eV -0.85-1.51 -3.40**Figure 7.2** The energy level diagram for hydrogen according to Bohr's calculations.

Visilalo sportoum 13.6 eV mession sy 10.2 & V × 931.5 M&UX16X10=h