$$|eV| = 16 \times 10^{19} \text{ S}$$

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$$|A| = \frac{n^2 h^2 E_0}{TT m_0 - Ze^2}$$

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$$|A| = \frac{n^2 h^2 T m_0 - Ze^2}{h^2 T m_0 - Ze^2}$$

$$|A| = \frac{n^2 h^2 T m_0 - Ze^$$

STRRUCTURE AIDMIS NUCLEI

$$A = A_0 e^{-\lambda t}$$
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 $A =$

transition

2) (wife (i) = 16 = 2.7 x10 decen

2nd existed

state -> n=2 state -> n=3

= + 13.6 22 eV

1a= 3.7×10° B2

No.0 Uniquite = (n2-n,) (n2-n,+1)

waveleng thu

3) I wither fond = 10° decay/rec

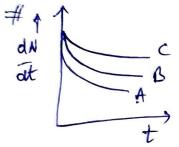
= 10° Rg

of e is in not osbit, unique spectful # Momentom of photon # Provided of revolution Tans # Energy levels accelegation of eline will be 2 (n-1) M - sheu k-shell L-Shell 0-shed N-shew in Mydnogen Se = Do Q = V2 = 1 E = -0.37 cV (5" = 67 = -0.27 cV (6" = 0 cV E3=-1.5eV (2" " E1 = -13.6 eV (ground abut) E2 = -3 Hell (fint smile) ES = -0. SHEV (4 " EH = -0.88EN (3x4" 4112 m2 x 3 2002 88 V for first orbit in hydrogen atom of $e^- = 8 = 0.81$ ° $V = 2.18 \times 166$ m/s

RydBerg const. $R = \frac{me^4}{8E^2h^3c}$

According to Rutherford's model of an atom: all the positive charges of an atom is concentrated in a small region at the centre of an atom.

In LC agravit = Energy stored in L-> magnetic But in C-> electrical



A > shorter mean life

· sphere of gold when Brought towards a powerful magnet experiences repulsive force.