of an electron in terms of neutron for which De Broglie wavelength are equal to 190. 4 = K equal box both are h = h were were we 10 me = 1 = 1 ve = 1836.152 - 46 = AUX 1836.125 KE = TWAS 1. KE = Im ~ 2[1836.125]2

tind marelength of a neutron. y= my = (wy) = 15 KE = VS 12-01x58-1 = 45-01x53-0 16N=1.605×10-132 1.602×10-19 7 = (6.63×10-34 ×gm2/3)2 M / 2×m× ×2 2 = (6.63×10-34)2 2×1-602×10-19 X = 1-2272x 109m 1000 × 200 1 × 100 1 6 80 193. The radius of a typical atom is electron within a distance of exists in order hite handleigt yetronder of a control with must be of this order.

Apoton with must be of this order.

Apoton with must be of this order. It AM = EXIONEM; WHAT is ic wowellaws rucestainità

-> X=5x10-12m - given E = PC = 6.63×10-3+5×3×108 = 3.978×10-47 P= h = 6.63×10-34 = 1.33×10-21 kgm/s uncertainity in momentum A LAA KAA Y (= (6.634)0-34) = PX : DP Sohood IXP 1 = Db 7 1.022×P-53 Kd w/2 94. comparé marelength of a cricket relocity at 500 kmlks with 10061 of ou 6- parival everals 100 6 N = 45

then what is not affect more then what is not affect more 1-400 For entangled mare
end possible state (KILSOF. 0+KOLS FOF. 6)) = 4 × ((0.70.7-21) 40.70 211)) 4 = ((00.7078×0.7072) + (0. 7072×0.7072)1011)+ (0-7072x0-7072))010)+ (11<(3FCF.0+5FCF.0) A = 54 CO.20013184) 54 CO.20013184)5 A = Hx CO.201318N)5 4 = 1.000527h3 1021

An electron and a 150 gm

baseball are travelling with relative of 25 Bm/s. It they are

baseball are travelling with relative to an accuracy of 95. nuclea fair, if in bozifion of con be = wexne ... Pe= 9.1×10-31 +000/1009/9 = PP = 2.227 × 10-28 1 EBBS ESI X 2-0 GX 2 0 = 47 Y nucertainity in momentum=0.052xs. POSTALZ OXS = 5-693xk TO AD THOM SEED ON 477 x5.693x632 1= Dx 1 9.26x 10-4m

Les to born nontrale of 1e = 6.63 x 10-34 2x9.1x10-31x1602x10-19 [1 == 1.554840] MAGES Margleudth of pall of wats orched KEP = 0.2 x \$ 0.2 x (138. 8883 5 YEB= 4822.5309 J AB = 6.63×10-34 = 9.5471×10-86A0 5×0.5×4855.2309 1e = 1.2278 x1026 1b g.5471 146= YPX1.58x1053W mitel + 25.0 / 50 13