1/6 05,2011 Cors 2 250 1000 1. 4027 South 1400 South 1/20 Sou (1) MICE=185MeV ( 25 303) 9-2 Sound busines of cold organis (2) DEDE € \$ : KIN CO. MONTO STOP 1000 1181 (3) It < \$ = \$\frac{1}{AE} = \frac{1}{2M\piC^2} (\pi \alpha \beta \beta \beta \beta \cdot -M.D. 74 200 C CD 1802 120 BOLY - SUM r= Cat = tc == (4) = 0.78 10 cm ~ ~ 10-13 cm 7 Exerce of the sully so cost ins b(nng) : 5,20412 Eppe N =3,189 /000 =3,83 T(U) -012 N(UJA) : 5-612 051 /NS Did 11- 18 16318. -17 BU 11 1 6 63 -117 المراع عراده علاده على معدد المعدد عراده على المعدد בונות בסמים חל ביקיב וויוסותים בוולחות ביוולחות של לוויט לוואקום Sie oside on sure prise 140

(14) 
$$\int_{C} F(e) = e^{ix(e)} = e^{ix(e)} \int_{C} e^{ix(e)} \int_{C$$

Wb R=hanger · 31 = NANB ( T) = (E) dE = (18) = haha (17) (8) = F(6.) DITE (6.)= = h, h, (1) = (3) = (60) = 2 = 6 () = 5 = 5(60)  $P(G) = C = \begin{bmatrix} G_{G} & -\frac{1}{2} & G_{G} \\ -\frac{1}{2} & G_{G} \end{bmatrix} = C \times P \left\{ -\frac{1}{2} & \frac{1}{2} & \frac{3}{2} & \frac{3}{2} \\ (4) & \frac{1}{2} & \frac{3}{2} & \frac{3}{2} & \frac{3}{2} \\ \end{bmatrix}$ (19) = E( = (LT) = exp {-[(LT) = 2 = 2 = 1  $\frac{1}{4} \frac{1}{4} \frac{1}$ (18) (18) (a) R=h, n, () = (8) = 3(5) = 3(5) = 5 (6) (22) R= NANA (117) 3 N (8) = 3 (62) 3 6 5 57 S(60) 

(23) R= n n S(6) 45 ( ) ( ) ( ) 3 ( ) 3 (4'5) R=h, no S(6) (17) 8 235 3 - 1 TOZAZAJEC (4KT) 3 ] CM M= Armp i 200) M SON = (27)  $R = N_{A}N_{B}S(E_{0})\frac{44^{3}}{4957} \frac{457}{3} \frac{E_{6}^{3}}{4rm_{B}} \frac{1}{710222572} e^{(27)} \frac{1}{3} \frac{(26)^{3}}{4m_{B}}$   $= \frac{1}{137} \approx 0.0073$   $M_{0} = 1.6710^{24} 9^{-1}$   $C = 2.910^{10} \frac{cm}{5}$   $75a \cdot 0.007 \cdot 1.6710^{14} \cdot 2.510^{14}$ (28) R=6.4/0 1/2 (6.0) (4.10) (6.0) (4.10) (6.0) (4.10) (6.0

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(1) P = 14 N -> 80+7
                                       2114E JL _5= CP3.16
  11) E1= (1 XZ, Zz) 2MC
 (3) Z, =1 , Z=7
 14) M = 14 mp
                         M= M.M. = Mo. 14 Mo = 14 Mg
 15) X= 137
 167 EG= 44.9 Mer)
  (4) L = EMcare

(8) E ~ 8 T 3 C - 3 (4) 3 3 500 00 1340
 (4) L = EMcare
 (9) L ~ T = exp (-3( 60 +) 3)
 (10) le ~ - 2 lat - (E) 3
 (11) The = - 2 # (5/2) 7. 7 /3
  12) T-210K° Wind iNG ON EG=44.8Mev 2735
   (3) 4KT = 6.8 KeV.
 (4) \left(\frac{E_{U}}{4MT}\right)^{\frac{1}{3}} = \left(\frac{44.910^{3} \text{ ker}}{6.9 \text{ ker}}\right)^{\frac{3}{3}} = 18.7
  (15) del =18.7-2=17.a
(6) del 1/2 - 18.7-2=17.a
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(1) 
$$\int_{OMR}^{2} \frac{1}{20} \left( \frac{3}{R} \right)^{\frac{3}{2}} \frac{h^{2}}{me} \left( \frac{2}{R} \right)^{\frac{3}{2}} \left( \frac{9}{mp} \right)^{\frac{3}{2}}$$

(2)  $\int_{Cen}^{2} = 2R \cdot kR = 2 \frac{2}{A} \frac{1}{me} \right) 2T$ 

(3)  $\int_{Cen}^{2} = 1.67 \cdot k^{\frac{3}{2}} \frac{1}{me} \cdot \frac{1}{2} \cdot \frac{1}{2$