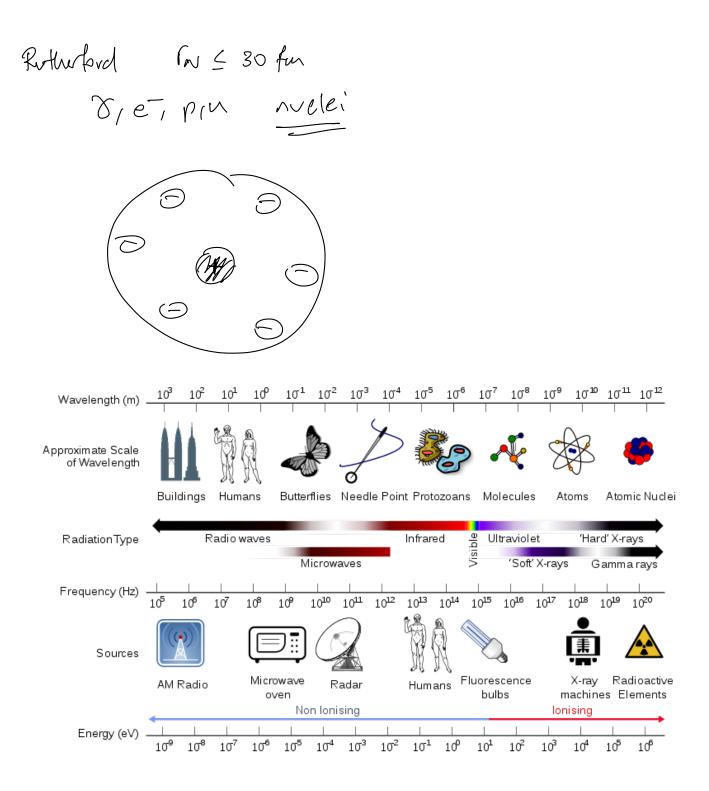
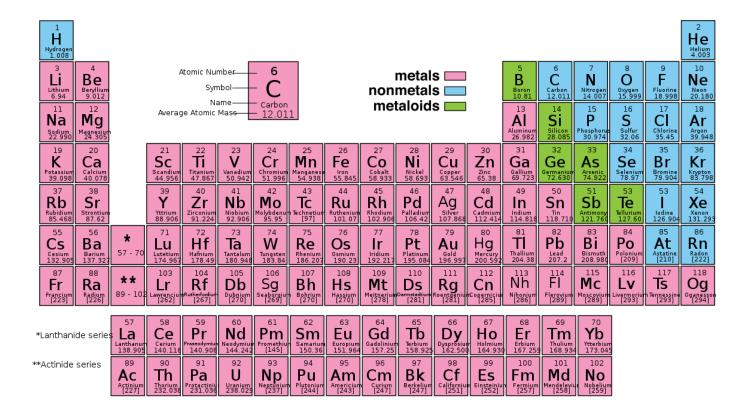
Token: 769 108



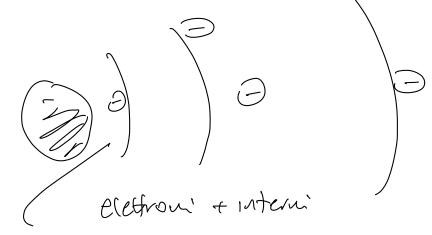


ZA de rudei

NULLO: MASIZ X A

6 spethoscopie d' messa

Zi ronce dei nuclei



legge de Moseley:

AN Misure sperimentale di E(A dei ruclei avc(idi (Z(A) isotopii (2 C 0.989 abbondonze in reture 6°C 0.011 isotopi: Z= cost. A veibile. (la stesse chiniq lo stero elemento) A = Z+N

I mentron:
#polon: isobari: A= wst Z= divers: somo dementi divers; ructid' con la Stella massa. ndidi _____ stebili => strdicre prodotti di decedimento. $A \longrightarrow B + C$ E=M+T > en. conetice E' = EL MA = EB+EC = MB+MC+TC+TB Rif Solidele Con A: Q = MA-MB-MC = TB+TC=Tf En. andre rello stato Ruele. Ovalue del decedimento EA = FB+EC MA TIA = WBTB+ MC+ TC

Sc TA 40

Enusic si couserre => Q >> Nei décelimenti

$$\Gamma(\cdot -)f) = \mathbb{Z} \left[A \right]^2 \left(E\right) \Big|_{E_{\ell}=E_{\ell}}$$

$$A \longrightarrow B + C + + D \longrightarrow \tau^2$$

M(7,A) masse del nuclide. nuclide (A,Z)

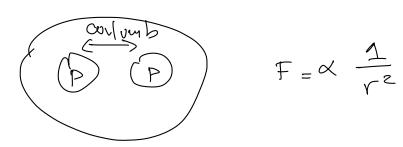
$$m(Z,A) = Z \cdot Mp + (A-Z) Mn$$

Esperimente di diffusione sui nuclei

_ distrib. contince di masse e Convice.

_ distub. Sterica unforme (buone appross.m)

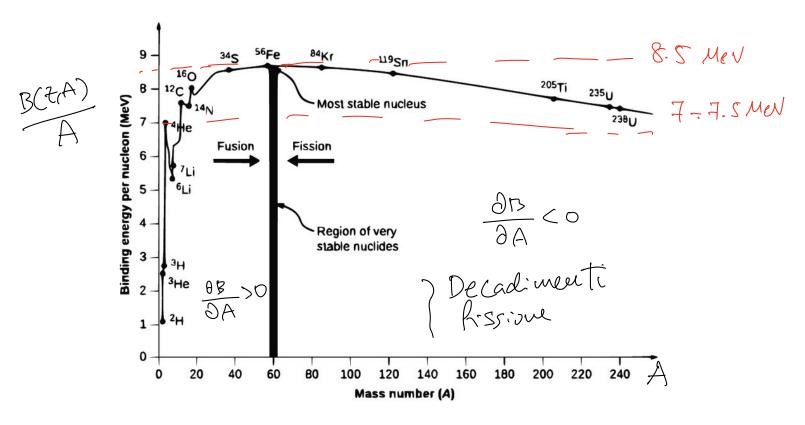
De secre conice elettrice di e



$$F = X \frac{1}{r^2}$$

2 coulde positive

=> esistère une forta più Rorte di Coulomb => forze nucleare m(7,A) < Zxmp + (A-Z) mn DefiniZione $M(7_1A) = Zmp + (A-7)mw - BC7A) B>0$ emsic di lescure NC(care M(i+1) = mp+me-13.6 eV = 938.9 MeN = 1.008 UA $IVA = \frac{1}{12} M({}^{12}C) = 931.494 MeV$ H: BUII) = 0 Deuteno: 2 dentoue: rudeo d' Denterio 711 t B(1,2) = M(1H) + MN-M(2H) = 2.225 MeN



Nucleone 3 protone o neutrone

B(4(e) = B(2(2) = 7 MeV particale &

=> uno dei nuclei più legati-

SB 30 per A 560 => Resource Revonite

A1 A2 B+ Z2

Firstione ZN -> Z1 B+ Z2

 $A = A_1 + A_2 \qquad \text{tip: comente} \quad Z_1 = Z_1 = \frac{2}{2}$ $Z = Z_1 + Z_1$ $A = A_1 - A_2$ $A = A_2 - A_3$ $A = A_1 - A_2$ $A = A_2 - A_3$ $A = A_1 - A_2$ $A = A_1 - A_2$ $A = A_2 - A_3$ $A = A_1 - A_2$ $A = A_1 - A_2$ $A = A_1 - A_2$ $A = A_2 - A_3$ $A = A_1 - A_2$ $A = A_1 - A_2$ $A = A_1 - A_2$ $A = A_2 - A_3$ $A = A_1 - A_2$ $A = A_1 - A_2$ $A = A_2 - A_3$ $A = A_1 - A_2$ $A = A_2 - A_3$ $A = A_1 - A_2$ $A = A_2 - A_3$ $A = A_1 - A_2$ $A = A_2 - A_3$ $A = A_1 - A_2$ $A = A_2 - A_3$ $A = A_1 - A_2$ $A = A_2 - A_3$ $A = A_1 - A_3$ $A = A_2 - A_3$ $A = A_1 - A_3$ $A = A_2 - A_3$ $A = A_1 - A_3$ $A = A_2 - A_3$ $A = A_1 - A_3$ $A = A_2 - A_3$ $A = A_1 - A_3$ $A = A_2 - A_3$ $A = A_1 - A_3$ $A = A_2 - A_3$ $A = A_1 - A_3$ $A = A_2 - A_3$ $A = A_1 - A_3$ $A = A_2 - A_3$ $A = A_1 - A_3$ $A = A_2 - A_3$ $A = A_1 - A_3$ $A = A_2 - A_3$ $A = A_1 - A_3$ $A = A_2 - A_3$ $A = A_1 - A_3$ $A = A_2 - A_3$ $A = A_1 - A_3$ $A = A_2 - A_3$ $A = A_1 - A_3$ $A = A_2 - A_3$ $A = A_1 - A_3$ $A = A_2 - A_3$ $A = A_1 - A_3$ $A = A_2 - A_3$ $A = A_1 - A_3$ $A = A_2 - A_3$ $A = A_1 - A_3$ $A = A_1 - A_3$ $A = A_2 - A_3$ $A = A_1 - A_3$ $A = A_2 - A_3$ $A = A_1 - A_3$ $A = A_1 - A_3$ $A = A_2 - A_3$ $A = A_1 - A_3$ $A = A_1 - A_3$ $A = A_2 - A_3$ $A = A_1 - A_3$ $A = A_1 - A_3$ $A = A_2 - A_3$ $A = A_1 - A_3$ $A = A_2 - A_3$ $A = A_1 - A_3$ $A = A_2 - A_3$ $A = A_1 - A_3$ $A = A_2 - A_3$ $A = A_1 - A_3$ $A = A_2 - A_3$ $A = A_1 - A_3$ $A = A_2 - A_3$ $A = A_1 - A_3$ $A = A_2 - A_3$ $A = A_1 - A_3$ $A = A_2 - A_3$ $A = A_1 - A_3$ $A = A_2 - A_3$ $A = A_1 - A_3$ $A = A_2 - A_3$ $A = A_1 - A_3$ $A = A_2 - A_3$ $A = A_1 - A_3$ $A = A_2 - A_3$ $A = A_1 - A_3$ $A = A_2 - A_3$ $A = A_1 - A_3$ $A = A_2 - A_3$ $A = A_1 - A_3$ $A = A_2 - A_3$ A =

AN + S De Cadimento 8 Ex 2 1-10 MeV Conserve 2 some # ban'our co

barioui (9,9293) 3 querk.

protone (und) neutrone (udd)

