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NUCLEI

it 1% Nuclear radius 111'111 is 'Oen by $R = R_0 A^{1/3}$ Hem $R_0 = 1.2 \times 10^{-15}$ m

{21. Density of al I nuclei Is constant

(3), Twai binding energy = $12 m_y (A - Z) \text{ mri,} = 1 \text{ Me}^2 \text{ j}$

14). Av. 135)nutletn = Total 13.QA

Radiciattivity. deca.s law $\frac{dN}{dt} =$ $N = \text{Ne}^{44}$

{6.}, Her life bija .693 1

17). Average or mean life as I — 1.44 Ttp.

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