

The strong force is just electric

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See Unified Absolute Relativity Theory at:

www.wbabin.net/saraiva/saraiva305.pdf
www.wbabin.net/saraiva/saraiva306.pdf
www.wbabin.net/saraiva/saraiva307.pdf
www.wbabin.net/saraiva/saraiva328.pdf

All forces are electric forces.

The neutron at short distance is electrically charged. It has a negative charge.

Fine structure constant of the proton:

Proton Cooper pair force:

$$F = m_p g_p = \frac{q_e^2}{4\pi\epsilon_0 R^2} ; \quad R = \frac{n^2 x_p}{\pi}$$

$$m_p = \frac{hf_p}{w_p^2} ; \quad g_p = \frac{Sf_p^3}{w_p} ; \quad w_p \approx c$$

$$\Leftrightarrow n^4 = \frac{\pi q_e^2 x_p^2}{4\epsilon_0 S h c} ; \quad n = 3.2 ; \quad \alpha_p = \frac{1}{3.2}$$

Binding energy of the deuterium:

$$E = \frac{q_e^2}{4\pi\epsilon_0 R} ; \quad R = \frac{nx_p}{2\pi}$$

$$\Leftrightarrow E = 2.14 \text{ MeV} ; \quad \text{Force: } F = 509.63 \text{ N}$$

Experimental value:

$$E = 2.2246 \text{ MeV}$$

m_p -- Proton mass; g_p -- Proton acceleration field; q_e -- Electron charge;

ϵ_0 -- Vacuum permittivity; R – Radius; x_p -- Proton Compton wavelength;

h – Planck constant; f_p -- Proton frequency; c – Light speed; $S = 1.9 \times 10^{-34} \text{ m}^2$;

α_p -- Proton fine structure constant.

Force electron-neutrino

The neutrino has a magnetic charge.

$$F = \frac{q_e q_m}{\sqrt{\epsilon_0 \mu_0} R^2} = \frac{hc}{R^2}$$

$$q_m = \frac{h}{2q_e} = \text{Magnetic charge}$$

$$\frac{hc}{R^2} = m_\nu \frac{v^2}{R} ; \quad v = \frac{w}{n} ; \quad R = \frac{n\sqrt{S}}{2\pi} ; \quad w = \frac{h}{q_e S}$$

$$n = \frac{h}{2\pi \cdot c q_e S} = 1.147 \times 10^{10} ; \quad m_\nu = q_e \sqrt{S}$$

$1/n$ = Neutrino fine structure constant

$$v = 2\pi \cdot c ; \quad R = 2.5261 \times 10^{-8} m$$

Energy:

$$E = \frac{hc}{R} = 49.08 eV$$