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Force between the neutron and the neutrino

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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

The neutron and the neutrino have magnetic charges. The neutrinos orbit the neutrons as the electrons orbit the protons.

$$\frac{q_m^{\ 2}}{\mu_0 R^2} = m_v \frac{v^2}{R} \ ; \qquad v = \frac{w}{n} \ ; \qquad R = \frac{n\sqrt{S}}{2\pi}$$

$$\Leftrightarrow \qquad n = \frac{2\mu_0 q_e}{\pi . S} = 6.74 \times 10^8 \ ; \qquad w = \frac{h}{q_e S} = 2.17 \times 10^{19}$$

$$v = \frac{w}{n} = 3.22 \times 10^{10} = \frac{c\pi}{4\alpha} \ ; \qquad R = 1.48 \times 10^{-9}$$

Energy:

$$E = \frac{q_m^{\ 2}}{\mu_0 R} = 1.3424 \times 10^4 \, eV$$

Orbital frequency:

$$f_{OR} = \frac{v}{2\pi R} = 3.46 \times 10^{18} \qquad \Leftrightarrow \qquad E = h f_{OR} = 1.34 \times 10^4 \, eV$$

A free neutron is neutral because it has an orbiting neutrino with the opposite magnetic charge.

There is no cosmic neutrino background radiation.
There's a longitudinal wave radiation:

T = 1.95 K

$$E = \frac{hc^2}{Sf} = k_B T \qquad \Leftrightarrow \qquad f = 1.1636 \times 10^{40}\, Hz$$

Neutrino: $\qquad f_\nu = \frac{h}{q_e S^{3/2}} = 1.5768 \times 10^{36}\, Hz$

$$\frac{f}{f_\nu} = \frac{\pi}{8\alpha^2}$$