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Neutrino magnetic Cooper-pairs

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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
www.wbabin.net/stham/saraiva347.pdf

The neutrino is the magnetic monopole.

The number of neutrinos from the sun per square meter per second is 4.836×10^{14}, but we only see half of them because the neutrinos come as Cooper-pairs.

The vacuum and the air are magnetic superconductors.

$$R_M = \frac{1}{R_E} \quad ; \qquad (2q_m)q_e = h$$

R_M -- Magnetic resistance; R_E -- Electric resistance;

q_m -- Elementary magnetic charge; q_e -- Elementary electric charge; h – Planck constant.

Some elements, number of neutrons:

Odd number (1,3,5…)

N0,Ga,Ge,Se,Br,Be,Ni,N,Zr,Cu,Zn

Even number (2, 4, 6…)

Li,Mg,Na,K,Ca,Tc,Ar,Sc,As,Ti,Cr,V,Mn,Fe,Kr,Rb,B,C,Al,Si,Co,Sr,Y,O,P,S,Nb,He,F,Ne,Cl,Mo

There are neutrinos orbiting the atoms with the number equal to the neutrons.

Neutrinos Cooper-pair force:

$$F = \frac{hSf^4}{w^3} = \frac{hf}{\sqrt{S}} \quad ; \qquad f = \frac{h}{Sm} \quad ; \qquad m = q_e\sqrt{S}$$

$$\Leftrightarrow \qquad F = \frac{h^2}{S^2 q_e}$$

F – Force; $S = 1.9 \times 10^{-34} m^2$; f – Neutrino frequency; w – Wave speed; m – Mass

Magnetic force:

$$F = \frac{{q_m}^2}{\mu_0 R^2} \qquad \Leftrightarrow \qquad \frac{h^2}{S^2 q_e} = \frac{{q_m}^2}{\mu_0 R^2}$$

$$\Leftrightarrow \qquad R = \frac{S}{2\sqrt{\mu_0 q_e}} = 2.132 \times 10^{-22} m \ ; \qquad \sqrt{S} = 1.383 \times 10^{-17} m$$

$$R = \frac{N^2 \sqrt{S}}{\pi} \qquad \Leftrightarrow \qquad N = \frac{\alpha}{1.04863814}$$

Energy of the Cooper-pair:

$$E = FR = \frac{h^2}{2S{q_e}^{3/2}\sqrt{\mu_0}} = 9.96 \times 10^{16} eV$$

Neutron-neutrino

The neutron and the neutrino have magnetic charge.
In the atoms the neutrino orbits the neutrons.

Force:

$$\frac{4{q_m}^2}{\pi \mu_0 R^2} = \frac{mw^2}{N^2 R} \ ; \qquad R = \frac{N\sqrt{S}}{2\pi}$$

$$m = q_e \sqrt{S} \ ; \qquad w = \frac{h}{q_e S}$$

$$\Leftrightarrow \qquad N = \frac{\mu_0 q_e}{2S} = 5.261 \times 10^8 = \frac{3}{2} 137.036$$

Radius of the neutrino orbit:

$$R = 1.16 \times 10^{-9} m \ ; \qquad R_e = 5.3 \times 10^{-11} m$$

Energy:

$$E = FR = \frac{h^2}{{q_e}^2 \pi \mu_0 R} = 23.3 keV$$