## **GRAVITY FROM ELECTRICITY**

From 
$$Q' 4 \pi C^2 = G M_n (1 \sec^2) = \frac{J_G}{(11 eC)^2} M_n (1 \sec^2)^2$$
  
we obtain  $Q' 4 \pi N_{light}^2 = \frac{J_G}{(1 \sec^2)^2} M_n$ 

See  $\mathcal{A}^{(2)}$  in Vixra 1711.0299; Author: Piscedda Giampaolo.

We had got 
$$\sqrt{J_{\text{suph}}} = C \left( \frac{\overline{J}_{\text{suph}}}{\overline{J}_{\text{c}}} \right)^{1/2}$$

See  $2^{(2)}$  in Vixra 1771.0362; Author: Piscedda Giampaolo.

From 2) we obtain 
$$\sqrt{\frac{2}{(4 \times c)^2}} = \frac{\sqrt{2} \times \frac{M_n}{(4 \times c)^2}}{\sqrt{2} \times \sqrt{4}}$$

In the  $\mathcal{Z}^{(2)}$  the  $\mathcal{J}_{ijkt}$  is function of the relative value of a ether  $\mathcal{J}_{corr}$ , with respect to a reference ether  $\mathcal{J}_c$ ; therefore in the  $\mathcal{Z}^{(2)}$ 

must be  $(M \wedge / \sim 4 ) = \text{constant}$ . Then we deduce that in the  $\sqrt{lig}$  is only a function of time:

$$\sqrt{\frac{2}{t}} = \frac{\sqrt{2}}{\left(\frac{2}{t} \sec{2}\right)^2}$$
 constant,  $t>0$ ,  $t \in \mathbb{R}$ 

In the equation  $\mathfrak{D}$  (See Vixra 1771.0362; Author: Piscedda Giampaolo) if we change the value of the ether  $\mathfrak{D}_{\mathsf{G}}$ , the value of mass must change and viceversa; then the volume flux  $\mathfrak{D}$  must be constant. In  $2^{(2)}$ ) the  $\mathfrak{D}_{\mathsf{G}}$  the must vary proportionally as the ether

changes its value; because the volume flux is constant, then must change the value in of Q', and we write the equation  $\Delta^{(a)}$  in this way:

Therefore the  $\mathcal{L}_{\mathfrak{S}}^{(a)}$  is not function of distance  $\mathcal{L}=\mathcal{L}\setminus \mathsf{meters}$ , from the point at which it is calculated the volume flux generated by particle  $\mathcal{L}$  of mass  $\mathcal{M}_{\mathcal{L}}$  in the reference ether  $\mathcal{L}_{\mathfrak{S}}$ , but the equation  $\mathcal{L}^{(a)}$  is only a function of volume density of ether  $\mathcal{L}_{\mathfrak{S}} = (\mathcal{L}_{\mathfrak{S}}/\mathcal{M}_{\mathfrak{S}}) = (\mathcal{L}_{\mathfrak{S}}/\mathcal{L}_{\mathfrak{S}}/\mathcal{L}_{\mathfrak{S}})$  and mass  $\mathcal{M}_{\mathfrak{L}}$ . See formula  $\mathcal{L}^{(5)}$  in Vixra 1711.0299; Author: Piscedda Giampaolo

Let's 
$$M_n = 4\pi X_{light}^2 \left( \frac{M_n}{4\pi X_{light}^2} \right) = 4\pi X_{light}^2 \frac{M_n^1}{(meters)^2}$$

If  $\mathcal{J}_{c}$  increase its value,  $M_{n}$  must decrease its value, because the volume flux  $\mathcal{J}_{c}M_{n}$  is constant, then  $\left|\chi_{light}^{2}\right|$  meters must decrease.

Let  $M_n$  = neutron mass,  $M_p$  = proton mass,  $\Delta m = M_n - M_p$   $m_e$  = electron mass = 9,10938356 - 10<sup>-31</sup> Kg (CODATA value) and  $\Delta m_1 = \Delta m - m_e$ .

We can write: 
$$\Delta m_1 = \frac{|\Delta m'_x| \text{ meters}}{\sqrt{3}} \frac{|\Delta m'_x| \text{ meters}}{\sqrt{3}} \frac{|\Delta m'_x| \text{ meters}}{\sqrt{3}} \frac{|\Delta m'_1| \text{ Kg}}{\sqrt{meters}}$$

$$m_h = \Delta m_1 \left(\frac{m_h}{\Delta m_1}\right) = 4\pi \left[\left(\frac{|\Delta m'_x|}{\sqrt{3}}\right) \text{ meters}\right)^2 \frac{m_h}{\Delta m_1} \left[\frac{|\Delta m'_1| \text{ Kg}}{\sqrt{meters}}\right]^2$$

The 
$$4\pi \left(\frac{|\Delta m_{\chi}^{'}|}{\sqrt{3}} \text{ meturs}\right)^{2} \frac{m_{h}}{\Delta m_{1}}$$
 is a sferical surface of radius  $\Delta m_{\chi}^{''} = \frac{|\Delta m_{\chi}^{'}|}{\sqrt{3}} \left(\frac{m_{h}}{\Delta m_{1}}\right)^{\frac{4}{2}} \text{meters}$  and volume  $V_{\chi} = \frac{4}{3}\pi \left(\Delta m_{\chi}^{''}\right)^{3}$ 

This volume is function of  $\mathcal{M}_h$  and  $\mathcal{M}_e$  through  $\Delta \mathcal{M}_{1} = \Delta \mathcal{M} - \mathcal{M}_e$ . Now, we must make the distinction between the exterior and interior volume and exterior and interior ether of a particle. The interior volume of electron is  $\mathcal{N}_{\chi}$ , therefore the interior ether of electron is  $\mathcal{N}_{\chi} = \mathcal{N}_{\chi} / \mathcal{M}_e$ :

In the equation  $\not$  the mass  $\land m_{\checkmark}$  is the mass that is missing; this mass for the equation  $\not$  does not disappear completely since the smallest value is that in the ether reference  $\not$  is  $\not$   $m_{\land} \neq 0$ . Therefore the volume  $\lor_{x}$  decrease until  $\not$   $m_{\checkmark} = m_{\nwarrow}$ . We will call the ether that encircle the electron Exterior Ether. If we assume that a particle, compared to the exterior ether  $\not$  have an interior ether  $\not$   $m_{\land} = m_{\nwarrow} = m_{\nwarrow$ 

while the interior ether of particle will be  $\frac{1}{|\mathcal{J}_c|} \frac{m^3}{|\mathcal{K}_q|}$ . So the exterior ether is  $\mathcal{J}_e^{\text{ext}} \frac{1}{|\mathcal{J}_e|} \frac{m^3}{|\mathcal{K}_q|} = \frac{|m_e|}{|\mathcal{V}_x|} \frac{m^3}{|\mathcal{K}_q|}$ . We obtain  $\mathcal{J}_c' = \frac{1}{|\mathcal{J}_c|} \frac{1}{|\mathcal{J}_c|} \frac{m^3}{|\mathcal{K}_q|} = \frac{1}{|\mathcal{V}_c|} \frac{m^3}{|\mathcal{K}_q|}$ .

The relative value of ether  $J_e^{\text{ext}}$  is respect to a reference ether  $J_e^{\text{ext}}$ , therefore the value of ether  $J_e^{\text{ext}}$  respect to ether  $J_e$  is  $J_e^{\text{ext}}$  =  $J_e^{\text{ext}}$ 

We proceed extending the 160

See Vixra 1711.0299; Author: Piscedda Giampaolo to the electric force.

We know that neutron having electric charge zero and therefore would prevent to extend the 45) to the electric force.

The neutron consisting of 3 quarks udder.

If we extend the 45 to the electric force, we describing the electric force of particle n, through its mass flux, generated by particle n in any reference ether.

Then to the mass flux  $V_{u} J_{u}^{-1}$  generated of quark u in the reference ether  $J_{u}^{-1}$ , we must add up the two mass flux generated by quark d in its reference ether  $J_{d}^{-1}$ . Therefore for each quark of neutron the total mass flux is the sum:  $V_{u} J_{u}^{-1} - V_{d} J_{d}^{-1} - V_{d} J_{d}^{-1} = V_{u} J_{u}^{-1} - 2 V_{d} J_{d}^{-1} = 5 (V_{u} V_{d} J_{u}^{-1} - 2 V_{d} J_{d}^{-1})$  are respectively the exterior volume of quarks u, d).

From equation 2) (see Vixra 1771.0362; Author: Piscedda Giampaolo)

we deduce 
$$\frac{m_h}{M_n} M_n^2 J_G = m_h M_n J_G = m_h^2 J_{supn}$$
  
From which we obtain  $M_n m_h^2 J_{supn} = m_n M_n^2 J_G$ 

and from b)
$$m_{h} \frac{M_{n}}{m_{h}} m_{h}^{2} J_{supn} = m_{h} (m_{h}^{2}) \left( \frac{M_{m}}{m_{h}} J_{supn} \right) =$$

$$= m_{h} \left( m_{h}^{2} J_{supn}^{\prime} \right) = m_{h} M_{n}^{2} J_{G}$$

i.e. 
$$m_h^2 J_{supn}^1 = M_n^2 J_{\sigma}$$

Experimentally we get  $|F_e| = 1$ ,  $|F_e| = 2$ ,  $|F_e| =$ 

Through the value of \F\_\ and \F\_\

we get it  $\frac{F_e}{m_e^2} = G_e$  and  $\frac{F_e}{m_p^2} = G_e$ ; from which we obtain:

$$\mathcal{J}_{e}^{\text{experiment}} = 2.780252295 \cdot 10^{32} \frac{\text{m}^{3}}{\text{kg}}$$

$$\mathcal{J}_{e}^{\text{experiment}} = 8,246442388 \cdot 10^{25} \frac{\text{m}^{3}}{\text{kg}} \text{ and}$$

$$\mathcal{M}_{e}^{2}G_{e} = \mathcal{M}_{p}^{2}G_{p}\text{ i.e. } \mathcal{M}_{e}^{2}\mathcal{J}_{e} = \mathcal{M}_{p}^{2}\mathcal{J}_{p} \text{ being } G = \mathcal{J}_{e}^{2}\mathcal{J}_{e}^{2}$$

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which satisfies the equation  $\begin{pmatrix} 1 \\ 1 \end{pmatrix}$ 

Let mp + me, Jp + Je and mp Jp + me Je

For  $a^{(2)}$  we can write  $m_e J_e = m_p \frac{m_p}{m_e} J_e$  from which

we obtain 
$$m_h \left( \frac{m_e}{m_h} \mathcal{T}_e \right) = m_h \left( \frac{m_P}{m_h} \frac{m_P}{m_e} \mathcal{T}_P \right)$$

The equation (3) shows that we can always find one reference ether, such that the fluxs generated by particle (2) are equal and also their mass.

Therefore  $\Delta V = m_e J_e - m_P J_e$  must be function from the choice of reference ether.

As  $m_h$  is inferior limit of mass flux in the reference ether  $J_c$ , then the value of equation  $J_c$  can not be smaller of  $m_h \neq 0$ .

The quarks also have color charge; the total color charge of particle must be zero, then each quark of neutron, through its color charge, must interact with to the color charge of the others two quarks. So, each quark of neutron, must reached up, from the others two quarks of neutron, by a flux mass of  $2m_h$ . Therefore to each quark of neutron we got a total mass flux  $m_h + 2m_h = 3m_h$ 

As the neutron consisting of 3 quarks, the inferior limit of the total mass flux of neutron must be  $3 < 3m_h > = 9m_h$ . Also to the proton, we got a inferior limit of the total mass flux equal to  $9m_h$ .

So to obtain the total mass flux of Hydrogen (electric charge zero), we must add the flux mass of electron to the total mass flux of proton.

Because the electron haven't color charge, the inferior limit of mass flux of electron in the Hydrogen, must be  $\mathfrak{M}_h$ .

Therefore the inferior limit of the total mass flux of Hydrogen, must be  $10\,\mathrm{M}_{\,\mathrm{N}}$  .

Because  $m_n = \sqrt{3} \int_{\mathcal{S}}^{1-1} (\sqrt{x})$  interior volume of electron) for the equation  $\Delta^{(a)}$ , every proton will be always associated with one electron. In fact, for  $\Delta^{(a)}$ , the mass flux is not function of distance of volume  $\sqrt{x}$ , from the point at which it is calculated. As the inferior limit of mass flux of Hydrogen is  $10 \, \text{M}_h$  we must multiply the ether  $|\mathcal{I}_e^{\text{ext}}| = \frac{m^3}{K_0}$  by 10; because the inferior limit in the reference ether  $\mathcal{I}_e$  do 0 not is  $10 \, \text{M}_h$  but  $m_h$ , then we got:  $10 \, |\mathcal{I}_e^{\text{ext}}| = \frac{m^3}{K_0} = |\mathcal{I}_e^{\text{ext}}| = \frac{m^3}{K_0} = 1.851326 \cdot 10^{34} \, \frac{m^3}{K_0}$ .

Now, we introduce a cartesian axes system Oxyz.

We choose as origin Of, any point of the surface of particle  $\upgamma$  .

Let  $b = 4\pi \times_{light}^2 = constant$  and  $J_G = constant$ .

Let O' be the centre of particle  $\mathfrak{n}$ ; then, in the point  $\times_{\mathcal{H}_{\mathfrak{q}}}$  at distance  $\mathcal{T}_{\mathfrak{q}}$  to O, along the direction of  $\overrightarrow{OO}$ , we have

$$\frac{M_n J_G}{\gamma_1} = \frac{\alpha_G}{\gamma_1} b \quad i.e. \quad M'_n J_G = \alpha_G b$$

then in  $X_r$  we got  $\frac{M_n J_c}{R - R_1} = \frac{Q_c}{R - R_1}$ 

 $(x_n)$  is a point of X axes at distance r from O).

In this case we call  $M_n$  the unreal mass of  $M_n$  in  $X_{n_1}$  and  $Q_G$  is the mass flux generate in  $X_{n_1}$  from unreal mass  $M_n$  in the reference ether  $\mathcal{F}_G$ ; i.e as in  $X_{n_1}$  there were really the mass  $M_n$ . So, if a proton  $P_A$  is in motion to velocity  $N_A$ , along straight line that join  $P_A$  to another proton  $P_A$ , then the mass or volume flux of  $P_A$  and  $P_A$ , increase as the distance decrease.

We suppose that the mass flux of  $\mathcal{L}$  increase of  $\mathcal{L}_{\mathcal{L}_{\mathcal{L}}}$ ; as every proton will be always to associate with one electron, then in the electron  $\mathcal{L}_{\mathcal{L}}$  the mass flux decrease of  $\mathcal{L}_{\mathcal{L}_{\mathcal{L}}}$ . Because also for the proton  $\mathcal{L}_{\mathcal{L}}$  the flux of mass increase of  $\mathcal{L}_{\mathcal{L}_{\mathcal{L}}}$ , then in the electron  $\mathcal{L}_{\mathcal{L}}$  the mass flux must decrease of  $\mathcal{L}_{\mathcal{L}_{\mathcal{L}}}$ .

Why the mass flux in the electrons decrease of  $-4\alpha_e$ ? The limit inferior of mass flux for electron in Hydrogen is  $m_h$ , while for the proton is  $9~m_h$ ; if we increase the mass flux of protons  $P_a$ , of  $d\alpha_e$ , the flux mass of  $P_a$  wild be  $9m_h + d\alpha_e$  and the mass flux of electron decrease of  $-d\alpha_e$ , because the mass flux oh Hydrogen must be  $10m_h$ . Being the inferior limit of mass

flux oh Hydrogen must be  $10m_h$ . Being the inferior limit of mass flux of  $e_1$  in Hydrogen equal to  $m_h$ , the electron  $e_2$  generate a mass flux  $+d\alpha_b$ :

such as  $m_h - d\alpha_c + d\alpha_c = m_h$ ; we deduce that the mass flux  $d\alpha_c = d\alpha_c$  cause the repulsion between  $\frac{1}{2}$  and  $\frac{1}{2}$ .

Owing to decrease of distance  $\mathcal{P}_{1}\mathcal{P}_{2}$ , the smaller mass flux that can be generated for each one second of time elapsed, relatively to the reference ether  $\mathcal{J}_{c}$ , must be  $d\alpha_{c} = m_{h}$ . So the mass flux generated from the system  $\mathcal{P}_{1}\mathcal{P}_{2}\mathcal{P}_{2}$  is  $3m_{h}$  and that generated from the system  $\mathcal{P}_{2}\mathcal{P}_{1}\mathcal{P}_{2}$  is  $3m_{h}$ . Therefore, when the distance between  $\mathcal{P}_{1}$  and  $\mathcal{P}_{2}$  decrease, will be generated a total mass flux of  $6m_{h}$ .

The decrease in the distance between two electron  $e_4$  and  $e_2$  would do decrease the inferior limit mass flux of the proton, from  $9m_h$  to  $8m_h$  and this is again absurd, because  $9m_h$  is the inferior limit of proton; so we obtain again repulsion between  $e_1$  and  $e_2$ .

Because in the reference ether  $J_c$  the limit inferior of mass flux is m<sub>n</sub>, then we got  $J_c^{ext^{1/2}} = J_c^{ext^{1/2}} \cdot 6 = (1.851326 \cdot 10^{31} \frac{m^3}{k_g}) \cdot 6$ 

Being 
$$J_{p}^{experiment}/6 = 1,374407 \cdot 10^{25} \frac{m^{3}}{k_{q}} = J_{p}^{exp'}$$

$$\frac{m_{p}^{2}}{m_{e}^{2}} = 3,371456,641 \quad \text{for } b^{(21)}$$

$$J_{p}^{ext} = \frac{J_{ext}}{m_{p}^{2}/m_{e}^{2}} = 5,494176 \cdot 10^{24} \frac{m^{3}}{k_{q}} \quad \text{then}$$

$$\Delta J_{p}^{ext} = J_{p}^{exp'} - J_{p}^{ext} = 8,25289 \cdot 10^{24} \frac{m^{3}}{k_{q}}.$$

I think that we have obtained  $\Delta \mathcal{I}_{\rho}^{\nu t} \neq 0$  because we have not considered the neutrino.

If we do not consider the neutrino, it's as if we had taken for the Hydrogen a reference ether, whose volume density is equal to the volume density of neutrino. Indeed, in such a reference ether  $\mathcal{I}_{\infty}$ , the neutrino is indistinguishable from ether  $\mathcal{I}_{\infty}$ . Then we suppose that  $\mathcal{I}_{\infty} \subset \mathcal{I}_{\mathcal{C}}$  is the reference ether of Hydrogen and therefore that we can detect the neutrino because we observe the Hydrogen from the reference ether  $\mathcal{I}_{\infty}$ .

Let  $V_h = \mathcal{J}_G m_h$  be the smaller volume flux, generate in the reference ether  $\mathcal{J}_G$  through the mass  $m_h$ .

$$\Delta J_{p}^{\text{ext}} = 8,25289 \cdot 10^{24} \frac{\text{m}^{3}}{\text{kg}} \implies$$

$$\Delta J_{p}^{\text{int}} = \frac{1}{\left[\Delta J_{p}^{\text{ext}}\right]} \frac{\text{m}^{3}}{\text{kg}} = 1,211696 \cdot 10^{-25} \frac{\text{m}^{3}}{\text{kg}}$$

 $\Delta \mathcal{T}_{P}^{\text{int}}$  is a interior volume density, while  $(\Delta \mathcal{T}_{P}^{\text{int}})^{-1}$  is a interior mass density  $(\Delta \mathcal{T}_{P}^{\text{int}})^{-1} = 8.25289 \cdot 10^{24} \frac{\text{kg}}{\text{cm}^{3}}$ .

Then the upper neutrino mass in the reference ether 
$$J_c$$
 is  $\left( \int J_p^{int} \right)^{-1} V_h = 4,0608 \cdot 10^{-36} \, \text{Kg}$  i.e.  $m_m = 2.278 \, \text{eV}/c^2$ .

Why don't I get repulsion if I approach a neutron to a proton or a electron?

The neutron in the reference ether  $\Im$  appear as a Hydrogen. Therefore proton (electron) and neutron only interact through the gravitational force.

We have 
$$\frac{J_e^{exp}}{J_e^{ext}} = \frac{J_e}{J_m} = 2,5029$$
.

We analyse the neutron decay in the ether reference  $\mathcal{I}_{\infty}$ .

We suppose that after neutron decay, any proton rotate from right to left along its axis of rotation. In the Oxyz cartesian axes system, we suppose that the two protons  $P_1$  and  $P_2$  in the x axis, have its rotation axis parallel to y axis.

Hypothesize that after neutron decay in the reference ether  $\mathcal{I}_n$  the electron go from  $\mathcal{P}_2$  to  $\mathcal{P}_2$ , then if we observe the neutron decay from proton  $\mathcal{P}_2$ , we note that the electron draw up to proton  $\mathcal{P}_2$  and also that  $\mathcal{P}_2$  rotate from left to right.

If instead of observe the electron from  $P_2$ , we imagine that the time elapsed from future to present, then if we observe the electron from  $P_2$ , we note that the electron drawn up to proton  $P_2$  and also that  $P_2$  rotate from left to right.

Therefore the physical phenomenon observed in  $\frac{1}{2}$  when the time elapsed from present to future, coincide to the physical phenomenon observed in  $\frac{1}{2}$  when the time elapsed from future to present. Then , while the electron draw up to proton  $\frac{1}{2}$  we don't have repulsion but attraction.

The upper limit of neutrino is in agreement to the Mainz Neutrino Mass Experiment

Reference: The Mainz Neutrino Experiment

J. Bon, B. Born scheme, L. Fichtner, B. Flattering,

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