SRNRL Report
Lawrence Dawson
Modified Lamor Interface with Electromagnetic Waves

MODIFIED LAMOR FREQUENCY

$$\langle existing\ formula \rangle \quad \{\text{proton spin precession frequency}\} = f = \frac{\gamma}{2\pi} B_0$$

$$\gamma = \left\{ \begin{array}{l} \textit{The ratio of magnetic dipole moment to angular momentum} \\ \text{(rate of precession spin per unit of magnetic force). } \textit{Its SI unit} \\ \textit{is radians per second per tesla} \text{ (as empirically determined for} \\ \text{a material using the "}T_1\text{" NMR measurement).} \end{array} \right\}$$

$$B = \{\textit{magnetic flux density in tesla units}\}$$

MODIFICATION OF LAMOR FORMULA BY HEAT-INDUCED RATE OF PROTON SPIN

$$Temp. = \{\text{nuclear temperature in Kelvin units}\}$$

$$f = \frac{\gamma}{2\pi} B_0 \left(\frac{Temp}{294.11K} \right)^2$$

ENERGY STORED IN NUCLEAR CAPACITANCE FIELD AS
STIMULATED BY RADIO WAVE AT LAMOR FREQUENCY

$$E = Wattage(Time = t); \quad t = \frac{1}{f} = \frac{2\pi}{\gamma B_0} \left(\frac{294.11K}{Temp} \right)^2 = (Capacitance)(Field\ Resistance)$$

$$P = Wattage = \frac{\eta^2 (Temp) k_B}{2.0468e-13\ seconds} I_{+e}^2; \qquad I_{+e} = \{\textit{proton charge induction factor}\}$$

$$I_{+e} = \frac{\lambda_{neutrino}}{\lambda_{Temp}} = \frac{c(h)/\eta k_B (391.14K)}{c(h)/\eta k_B (Temp)} = \frac{Temp}{391.14K}; \quad \eta = \{\textit{nuclear - amplification factor}\} = 4.7959$$

$$E = P(t) = \left[\frac{\eta^2 (Temp) k_B}{2.0468e\text{-}13\ seconds} \left(\frac{Temp}{391.14K} \right)^2 \right] \left[\frac{2\pi}{\gamma B_0} \left(\frac{294.11K}{Temp} \right)^2 \right]$$

$$E = \frac{(2\pi)\eta^2 (Temp) k_B}{\gamma B_0 (2.0468e\text{-}13\ seconds)} \left(\frac{294.11K}{391.14K} \right)^2 = \frac{Temp}{\gamma B_0} (5.5116678434e\text{-}9)$$

The Energy (per pulse) Invested by Radio Wave excitation of Nucleus

$$E = \left\{ \begin{array}{l} \text{energy stored in the nuclear capacitance} \\ \text{field by radio wave at Lamor frequency} \end{array} \right\} = \frac{Temp_{Nuc}}{\gamma B_0}(34.401\ \text{GeV})$$