Anomalous Electric Charge of a Neutrino of True Neutrality

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$$G_{il^A}(q^2) = g_{il^A}(0) + R_{il^A}(q^2) + \Phi_{il^A}(q^2) + ..., \quad (1)$$

where $g_{il^A}$ define the static anapole and electric dipole, $R_{il^A}$ characterize the dependence of form factors $G_{il^A}$ on the lepton axial-vector radius. The functions $\Phi_{il^A}$ describe the anomalous behavior of axial-vector currents. Thus, a neutrino of true neutrality similarly to all other the axial-vector leptons must possess the anomalous electric charge of C-noninvariant nature. Such a type of charge says about the existence in neutrino of a kind of inertial mass.


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