

# Review of: "Conservation of Baryon and Lepton Number is an Effect of Electric and Magnetic Charges"

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Potential competing interests: No potential competing interests to declare.

The article has been written in a well-mannered way. The author tried to predict the new quantum numbers for the leptons and quarks by applying the unitary gauge symmetry of electromagnetism. Few suggestions:

The first line of the article is contradictory. In what context is the author claiming that the lepton and baryon number conservation has not been explained? These conservation laws are deeply connected to more fundamental symmetries of the universe, particularly the conservation of electric charge, lepton number, and baryon number. They are consequences of Noether's theorem, which states that for every continuous symmetry in a physical theory, there is a corresponding conservation law (with some violations).

This article can become more effective if the basic physics behind each step is mentioned. Right-handed electron-neutrinos should have zero hypercharge; however, in the present work, the author gave a general name to the electron neutrino and the value  $Y=-1$  was mentioned.

Similarly for other particles.

In addition, the author assumed that the coupling would be constant; however, under such conditions, due to the presence of other matter, there is a possibility of the change of couplings also, and if yes, then will it have an impact on the quantum numbers?

Enhancing the clarity of the above-mentioned points will eliminate any obstacles to comprehending the document.