Review of: "Characterizations That Help Explain Particle and Cosmic Data"

Richard Oldani

Potential competing interests: No potential competing interests to declare.

In view of the title, I was hoping for a clarification of the minimal knowledge I have of the subject matter. Instead, my understanding became still more obscure. You use “isomers of elementary particles,” but it is not clear what is meant by that. What does “evolution of stuff” mean? You talk about the Standard Model and the CDM model of cosmology without ever introducing them to the reader in your own words. There is a competing theory to dark matter, which is the MOND theory, which you do not even mention. Recent experiments using the gravitational lensing of distant galaxies indicate that the MOND theory is superior to the dark matter theory. This paper is full of terms such as “might, notion, pertain, and suggest,” which indicate speculation by the author. The reasoning behind such terms may be clear to the author, but it does not give me confidence that his conclusions are accurate. On the positive side, there is a very extensive list of references of general interest which would be useful to readers of astrophysics.

This is a very long paper, with new terms and considerable mathematics that make it difficult to follow or understand. I suggest the author write a more complete introduction and a much better conclusion and show how your theory relates to and improves upon current theory. I would be happy to make a more thorough review at that time.