The 4430 MeV Neutrino is a Signal That the Universe Includes 0.1 Billion Years of Unbroken E8 Symmetry Time

George R. Briggs

Abstract: The surprizing capability to be able to use the mass of the newly-discovered 4430 MeV neutrino together with MHC8S theory as a way of signalling the length of time the universe includes E8 unbroken symmetry is shown.

The capability¹ of using MHCE8S universe theory together with the 4430 MeV mass of the newly-discovered² heavy Majorana neutrino to find the 0.1 billion-year length of E8 unbroken symmetry time required for each E8 brokensymmetry cycle universe is remarkable.

Starting with the 13.5 billion-year E8 broken-symmetry age of the 4th cyclic universe, we find the age of the 3rd universe (13.5 - 1.55 billion years = 11.95 billion years), then the 2nd (11.95 - 1.55 = 10.4 billion years), then the 1st (10.4 - 1.55 = 8.85 billion years). The total is 13.5+11.95+10.4+8.85 = 44.7 billion years, and 44.7 - 44.30 (4430 MeV mass of the new neutrino signals 44.30 billion years) = 0.4 billion years E8 unbroken symmetry = 0.1 billion years for each cyclic universe. We note that only the numbers key numbers 13.5 and 1.55 together with 4430 are needed for this calculation.

- 1. George R. Briggs,"The significance of broken and unbroken E8 symmetry time is shown for an MHCE8S universe", ViXra 1810.0507, (2018).
- 2. George R. Briggs,"MHCE8S theory indicates that the energetic neutrino observed in antartica is a heavy (4430 MeV) Majorana neutrino ", ViXra 1811.0136, (2018).