For a Cyclic Universe of E8 Symmetry Direct Proof of –mc^2 Existence May be Impossible

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Abstract: Recent work (see ref. 1) of the ATLAS collaboration indicates that fermibosonic entities basic to the new theory of a cyclic universe of E8 symmetry exist (ttH process entities). It may be impossible to show the negative mc^2 character of the Higgs component crucial to a complete theory, however.

The recent exiciting work of the ATLAS collaboration indicates that a fermibosonic entitiy basic to the new cyclic theory of the universe has been found. This to be expected from supersymmetry based on string theory. Two new massless gauge bosons are associated with 2 fermibosoic entities, one of spin 0 type, the other of spin 1. Thjs is a great step forward. It stlll remains, however, to show that –mc^2 bosonic matter (the Higgs particle, for example) can actually occur.

My work on the theory indicates that the –mc^2 form of the boson can only be generated under unbroken E8 symmetry conditions such as we had prior to the big bang. This form in the fermibosonic entity can be maintained in our broken symmetry epoch, but it is dark energy which we do not know how to deal with. We also have more of it in the spin1 version. This is dark matter, but we do not know how to handle that either.

We may have to live with the ttH (spin 0) and ttz (spin 1) processes as our only confirming evidence that the cyclic new universe theory is correct.

1. ATLAS collaboration 2015b, arXiv: 1503.05066 (hep-ex)