Failure of Quantum Mechanics For the Large-Scale Universe and What This Means for Fermibosonic Matter of E8 Symmetry

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Abstract: Recent conclusions regarding the behavior of giant black holes obeying quantum-mechanical rules indicates that these rules are not obeyed for the large-scale universe. For example, the existence of fermibosonic matter in the large-scale universe need not be prohibited as it is using quantum-mechanical rules.

Recent work[1] indicates that giant black holes do not follow quantum rules: universe-scale entities can exist that are not allowed quantum-mechanically, for example. Fermibosonic matter allowed under E8 symmetrical conditions but prohibited quantum-mechanically can exist. Thus E8 symmetry can be acceptable in a theory of how our universe evolved at and even before the big bang. The acceptance of fermibosonic matter can explain both dark energy and dark matter and the invisibility of both under E8 x U(1) symmetry such as we have today in our universe.

This new theory of the evolution of the universe can be understood by downloading and studying the short letters that I have been submitting to viXra since October 2013. Proof that E8 symmetry governs our universe today is the observation that the copious tetraquark is the 248^{th}+2nd unique particle appearing in our universe.

1. Joseph Polchinski, "Burning Rings of Fire", Scientific American, April (2015).