

Abstract Submitted  
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**Dark Matter Bosons and Fermions** THOMAS J. BUCKHOLTZ, None

— We suggest dark matter consists of 5 ensembles of particles. Each ensemble has fermions and bosons. Each ensemble has similarities to the baryonic-matter ensemble. This work starts with a means to represent baryonic-matter photons. The representation also includes carriers for the weak and strong interactions. The representation admits a 6-fold symmetry. Each of the 5 non-baryonic-matter boson sets is a dark-matter boson set. Each boson set has a corresponding set of elementary fermions. Each of the 6 ensembles would characterize its fermions as being similar to baryonic-matter's characterization of its fermions. Each ensemble would consider the other 5 ensembles to be like dark matter. The 6 ensembles share gravity. One ensemble's measurements of properties of another ensemble's fermions would not necessarily result in numbers identical to the numbers the one ensemble measures for properties of its own fermions.

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None

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