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Superheavy objects composed of nuclear and dark matter

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We consider a model of OHe atomic dark matter formed by Coulomb binding of the stable double charged massive O^{--} particles with nuclei of primordial helium. Such dark matter can be captured by ordinary matter forming superheavy nuclei. We discuss O-nuclearites formed by multiple capture of O^{--} particles by heavy nuclei and effect of accumulation of OHe atoms in stellar evolution.

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