

Abstract Submitted
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An Intimate Relationship between Higgs Forces, Dark Matter, and Dark Energy ANTONIO COLELLA, IBM — Our universe's 8 permanent matter particles were: up quark, down quark, electron, electron-neutrino, muon-neutrino, tau-neutrino, zino, and photino. Zino and photino were dark matter particles. Each permanent matter particle had an associated supersymmetric Higgs force. Sum of the 8 Higgs force energies was dark energy. Amplifications of Higgs theory included: 16 SM matter/force particles, 16 superpartners, 32 anti-particles, and 64 associated supersymmetric Higgs particles; 17 Higgs forces and 15 Higgsinos; Higgs force was a residual super force; Matter particles and associated Higgs forces were one and inseparable and modeled as underweight porcupine with overgrown spines; Mass given to a matter particle via associated Higgs force and gravitational force messenger particles; Super force condensed into 17 matter/Higgs forces at 17 extremely high temperatures; 9 transient matter particles/Higgs forces evaporated to super force and condensed to 8 permanent matter particles/Higgs forces (decay); Spontaneous symmetry breaking was bidirectional; Matter/Higgs force creation was time synchronous with inflation and one to seven Planck cubes energy to matter expansion; 128 matter/force particles required for Conservation of Energy/Mass accountability at $t = 100s$.

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