Abstract Submitted
for the NES07 Meeting of
The American Physical Society

In The Light of The Dark Matter SUNIL THAKUR — Dark matter and Higgs field are two of the biggest mysteries the world of physics. However, dark matter and Higgs field are not the only mysteries that have troubled the physicists. Mechanism of creation of universe, expansion of universe, loss of energy, wave-particle duality, concept of gravity and gravitational waves, pioneer anomaly are some of the problems that need to be resolved. Higgs field is a theoretical necessity but there are no evidences of its existence and yet almost all of our theories of physics are directly or indirectly based on its predicted existence. Presence of dark matter on the other hand can be theoretically derived from the observed phenomenon and yet none of our theories take into account its existence. Since total mass and total energy in the universe has already been accounted for, existence of Higgs field is automatically ruled out. This paper attempts to resolve these issues by explaining that the dark matter forms the Higgs field. Higgs field absorbs most of the energy and converts this energy into Higgs particle that results in the expansion of the Higgs field. Expanse of the Higgs field is the expanse of our universe. Almost homogenous distribution of dark matter cancels the gravitational pull exerted by it except at the places where it gets distorted due to presence of substance and energy. This theory explains in detail the structure of the Higgs field and how the information flows in the Higgs field.

Sunil Thakur

Date submitted: 29 Mar 2007 Electronic form version 1.4