

## **EXPLORING LOGIC FOUNDATIONS OF QUANTUM MECHANICS: LABORATORY EXPERIMENTS IN AN ELECTROMAGNETICALLY ISOLATED ENVIRONMENT**

In 1995 research began on fabricating an electromagnetically isolated laboratory environment. In 2005 a scientific device called the Spheric Alignment Mechanism was patented. [1] The nested superconducting hemispheric device was designed to block electromagnetic fields from reaching its hollow interior. A 2008 survey was conducted with the assistance Donald P. Ames and Scientific Technical Network (STN). Initially the STN Data Base was searched for electromagnetic field measurement in superconductive sphere volumes by sensors which did not generate an electromagnetic field; no references were found in the STN abstracts of 10,000 journals covering Chemistry, Engineering, Physics and US and foreign Patents. This search was repeated several times using different Data Base entries; again no references were located. Summary: STN Data Base does not list any papers in referred journals that report EM field measurements by non-EM generating sensors in volumes of spheres protected by superconductive Type 1, Type 2 or High Temperature materials. [2] In 2008 the ESD and EPS embodiments of the Spheric Alignment Mechanism were patented. [3]

By creating an closed superconducting and/or metamaterial shielded environment [4] it is anticipated that the electromagnetic fields will relax to their ground state thus transforming matter from spontaneous symmetry breaking to its less entangled, higher degrees of freedom for a information protomatter-like Higgs mechanism state.

A group of laboratory experiments will be conducted to probe the exact quantum mechanical nature of said controlled phase space. [5]

We anticipate the degrees of freedom for information, evidenced across transformational phase states, will move out from the Higgs Mechanism entangling to matter, into visible matter, and into antimatter [6] across an arrow of entropy where the amount of information constructing the Higgs mechanism not available to do work sets the boundary conditions for each state. When matter is shielded in the device, the Higgs mechanism will reestablish itself as low-energy, macroscopic, highly ordered, quantum mechanical superposition.

**PATENT STATUS:** [1] US Patent 7507916 - Spheric Alignment Mechanism ; [2] EMF MEASUREMENTS SUPERCONDUCTING SPHERE LITERATURE SURVEY, Stephen Burns Kessler & Donald P. Ames; [3] US Patent 7465886 Spheric Alignment Mechanism Entropic Step Down and Propulsion System; [4] Metamaterials Spheric Alignment Mechanism, patent pending, US2009/068602; [5] Experimental Propositions, Burns Kessler et al; [6] Scientists present a precision measurement of a subtle dance between matter and antimatter, <http://www.physorg.com/news63980736.html> paper at: [http://docs.lib.purdue.edu/physics\\_articles/853](http://docs.lib.purdue.edu/physics_articles/853)

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