

Abstract Submitted  
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**The Explanation of the Pauli Exclusion Principle** VICTOR VASILIEV, Pr., Dr., RUSSELL MOON, Consultant — Using the principles of the Vortex Theory, the alpha particle, and the theory that the nucleus is constructed out of alpha particles, the explanation of the Pauli Exclusion Principle is easily explained. Because protons and electrons are connected to each other via a fourth dimensional vortex, they spin in opposite directions. Since the alpha particle possesses two protons possessing opposite spins, their electrons also possess opposite spins. With a nucleus constructed out of alpha particles, all paired electrons in shells and sub-shells will spin in opposite directions. 1.R.Moon, F.Calvo, V.Vasiliev. About of the Conservation of Lepton Number, Bulletin of the APS, <http://www.phys.ufl.edu/sesaps05.html> 72nd Annual Meeting November 10-12, 2005. Gainesville, Fla, USA, BC.00008. 2.K.Gridnev, R.Moon, V.Vasiliev. Experiment that discovered the Photon Acceleration Effect, International Symposium on Origin of Matter and Evolution of Galaxies (OMEG05), New Horizon of Nuclear Astrophysics and Cosmology, November 8-11, 2005, University of Tokyo, Tokyo, Japan, p. 77. 3. R.Moon, F.Calvo, V.Vasiliev. The Neutral Pentaquark. 2006 APS April Meeting, Dallas, TX, USA, Nuclear Theory II, Abstract 00009.

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