

World Congress on QUANTUM PHYSICS

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Theory of 3 folds and 4 dimensional universe (beyond the standard model of particle physics)**Yogesh Vishwanath Chavan***R.I.T. College, Kolhapur University, India*

Three Postulates are defined here, based upon current experimental limit on size of Fundamental particle i.e. upto 10^{-19} m and an Empirical formula is derived ($h=Q^*c^*k$) giving maximum mass of particle within experimental range of \approx TeV. 3rd Postulate i.e. Equivalency between "Mass" and "Straight Imaginary Line" gives co-relation between massless and spin = 1 properties of Boson as proved in QED theory. Fundamental particles of Standard Model are arranged in 3 Folds way in 4th Imaginary Dimension; Bottom Fold, Top Fold and Middle Upper and Lower Folds with decreased in energy from TeV to approx. 0 eV respectively. With this representation of the Universe at atomic and sub-atomic level, it solves lot of current problems of SM of Particle physics like Matter-Antimatter asymmetry, origin of 3 Generations or families of Fermions, Nature of gravitating dark matter and repulsive dark energy particles, origin of mass of hadrons like protons, wave-particle duality of particles etc. giving true insight about nature of fundamental particles. This theory also demands existence of new fundamental particles yet to be discovered like 4th Generation of Neutrino-AntiNeutrinos, trident massive (spin=0) Boson particle responsible for Mass & color charge property of Hadrons and Massless (Spin=1) Boson particles which are polarised into 4th imaginary dimension.

Biography

Yogesh Chavan had completed my Degree in Mechanical Engineering and he have been working on this Theory from last 12-14 years in order to thoroughly understand the Universe from Particles aspect. He had also written and published his book on this theory on Amazon.com. With this Theory, definitely new era of science will begin for better future of Human kind.