Download The Many Worlds Interpretation Of Quantum Mechanics

The many-worlds interpretation is an interpretation of quantum mechanics that asserts the objective reality of the universal wavefunction and denies the actuality of wavefunction collapse.The existence of the other worlds makes it possible to remove randomness and action at a distance from quantum theory and thus from all physics.An interpretation of quantum mechanics is an attempt to explain how the mathematical theory of quantum mechanics "corresponds" to reality.Although quantum mechanics has held up to rigorous and extremely precise tests in an extraordinarily broad range of experiments (not one prediction from quantum mechanics is found to be contradicted by experiments), there exist a number of contending schools ...Fifty years ago Hugh Everett devised the many-worlds interpretation of quantum mechanics, in which quantum effects spawn countless branches of the universe with different events occurring in each.In quantum physics—the scientific study of the nature of physical reality—there is plenty of room for interpretation within the realm of what is known. The most popular mainstream interpretation, the Copenhagen interpretation, has as one of its central tenets the concept of wave function ...