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Time Measurement as Test of Quantum Mechanics

Thursday, 21 June 2012 09:30 (30 minutes)

Although time measurements are very often performed in experiments, their theoretical description is largely unclear. Several proposals have been put forward, two of which will be presented in this talk: the one resulting from the application of the orthodox quantum formalism, and that corresponding to the use of Bohmian Mechanics. A situation in which these two approaches lead to different predictions will be analyzed, and its relevance as experimental test of Quantum Mechanics discussed

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