

Quantum Field Theory of Superluminal Particles

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Abstract. In this paper a consistent quantum field theory describing the dynamics of superluminal particles has been proposed. It has been shown it may suggest a novel retro-causal - like interpretation of quantum mechanics, able to give new insights in the possible explanations of some of the most important ontological questions arising in fundamental Physics mainly related to quantum behaviour, also suggesting a new picture of reality based on such interpretation.