

Abstract Submitted
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A Modified Special Relativity Theory in the Light of Breaking the Speed of Light AZZAM ALMOSALLAMI, Malaya University — In the OPERA experiment the neutrino broke the speed of light. It moved with speed greater than the highest speed in the universe (the speed of light in vacuum) according to the special relativity [32]. This experiment if it is confirmed will contradict the main basis that the special relativity built on which is the constancy of speed of light, and no particle or electromagnetic wave can exceed this speed [37]. Quantum tunneling experiments have shown that the signal moving superluminal [1-9]. In this work (the modified special relativity theory), we will unify the special relativity theory and quantum theory (Copenhagen school) in concepts, principles and laws. While this new theory is in agreement with the concepts, principles and laws of the quantum theory (Copenhagen school), and it introduces some changes in the concepts, principles and laws of quantum to be descriptive, and imaginative. Quantum theory was applied to the micro world, while the macro world was controlled by the laws of classical physics. In my paper I believe that the theory that controls the micro and macro worlds are the same.

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