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Quantum Mechanics versus Special Relativity: A forgotten conflict

Alemañ-Berenguer, Rafael-Andrés (2008) *Quantum Mechanics versus Special Relativity: A forgotten conflict*. UNSPECIFIED.



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Abstract

Despite the widespread assumptions on the compatibility between non-relativistic quantum mechanics and special relativity, there still remains a considerable amount of unresolved problems to which few authors explicitly pay attention. Most of them involve the aim of coherently achieving a relativistic description of quantum collapses and quantum entanglements. These processes seem to challenge our present picture of the physical world in terms of space-time structures.

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