

The Quantum Liar Experiment in Cramer's Transactional Interpretation

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Abstract

Cramer's Transactional Interpretation (TI) is applied to the "Quantum Liar Experiment" (QLE). It is shown how some apparently paradoxical features can be explained naturally, albeit nonlocally (since TI is an explicitly nonlocal interpretation). At the same time, it is proposed that in order to preserve the elegance and economy of the interpretation, it may be necessary to consider offer and confirmation waves as propagating in a "higher space" of possibilities.

Keywords: transactional interpretation, quantum paradoxes, entanglement, time symmetry

Subjects: [Specific Sciences: Physics: Quantum Mechanics](#)

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