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A Relativistic Symmetrical Interpretation of Quantum Mechanics MICHAEL B. HEANEY, Huladyne Research — This poster describes a relativistic symmetrical interpretation (RSI) which postulates: quantum mechanics is intrinsically time-symmetric, with no arrow of time; the fundamental objects of quantum mechanics are transitions; a transition is fully described by a complex transition amplitude density with specified initial and final boundary conditions, and; transition amplitude densities never collapse. This RSI is compared to the Copenhagen Interpretation (CI) for the analysis of Einstein's bubble experiment using both the Dirac and Klein-Gordon equations. The RSI has no zitterbewegung in the particles rest frame, resolves some inconsistencies of the CI, and gives intuitive explanations of some previously mysterious quantum effects.

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