

Bibliography

- [1] Y. Aharonov, J. Oppenheim, S. Popescu, B. Reznik, W.G. Unruh, Phys. Rev. A, **57**, 4130, 1998 (quant-ph/9709031).
- [2] J. Oppenheim, B. Reznik, W.G. Unruh, quant-ph/9801034, submitted to Phys. Rev. A
- [3] J. Oppenheim, B. Reznik, W.G. Unruh When Does a Measurement or Event Occur? (quant-ph/9805064) To be published in Found. Phys
- [4] J. Oppenheim, B. Reznik, W.G. Unruh, Phys. Rev. A **59** 1804 (1999) quant-ph/9801034
- [5] J. Oppenheim, B. Reznik, W.G. Unruh, "Time as an Observable", in Proceedings of the 10th Max Born Symposium, eds. Ph. Blanchard, A. Jadczyk, Wrocla - Sept., 1997, Springer-Verlag, Lecture Notes in Physics; quant-ph/9807058
- [6] J. Oppenheim, "Quantum Time", to be published in Proceedings of the Canadian General Relativity and Relativistic Astrophysics Conference, 1999
- [7] J. Oppenheim, B. Reznik, W.G. Unruh, "Temporal Ordering in Quantum Mechanics", submitted to Phys. Rev. A.
- [8] W. Pauli, *Die allgemeinen Prinzipien der Wellenmechanik*, in *Handbook of physics*, eds. H. Geiger and K. Schell, Vol. 24 Part 1, (Berlin, Springer Verlag), 1958.
- [9] N. Grot, C. Rovelli, R. S. Tate, Phys. Rev. **A54**, 4676 (1996), quant-ph/9603021.
- [10] Y. Aharonov and D. Bohm, Phys. Rev. D **122** 1649 (1961)
- [11] J. Kijowski, Rep. Math. Phys. **6**, 362 (1974)
- [12] For a review of recent developments on the arrival time problem see J.G. Muga, R. Sala, J.P. Palao (quant-ph/9801043).
Other recent works which consider modifications of the time-of-arrival operator include I. Egusquiza, J. Muga, quant-ph (9905023); E. Galapon (quant-ph/9908033); A. Baute, R. Mayato, J. Palao, J. Muga, I. Egusquiza; quant-ph/9904055; J. Leon, J. Julve, P. Pitanga, F. de Urries, quant-ph/9903060; P. Kochanski, K. Wodkiewicz, quant-ph/9902044, to appear in Phys. Rev. A; L. Foschini, quant-ph/9901013; J. Finkelstein, quant-ph/9809085; J. Muga, C. Levens, J. Palao, quant-ph/9807066,

- [22] See for example, C. Rovelli, Phys. Rev. D **42** 2638-2646 (1990); C. Rovelli, Phys. Rev. D **43**, 442 (1991)
- [23] J. von Neumann, *Mathematische Grundlagen der Quantenmechanik* (Springer, Berlin, 1932) p. 195, [English translation: *Mathematical Foundations of Quantum Mechanics*, trans E.T. Beyer (Princeton University Press, Princeton, 1995) p.366]; B. Misra and E.C.G. Sudarshan, J. Math. Phys. **18**

- [41] This is rather well known, but the suggestion of using this idea on an unsuspecting cat was suggested to me by Benni Reznik (private communication).
- [42] Y. Aharonov and B. Reznik, "Weighing" a Closed System and the Time-energy Uncertainty Principle, quant-ph/9906030
- [43] Y. Aharonov, and D. Bohm, Phys. Rev. **122**, 1649 (1961)
- [44] Gradshteyn and Ryzhik, *Table of Integrals, Series, and Products*, 5th ed. (San Diego Academic Press Inc., 1963).
- [45] M. Reed and B. Simon, *Methods of Modern Mathematical Physics II: Fourier Analysis, Self-Adjointness*, New York, Academic Press, 1975.
- [46] Morse and Feshbach, *Methods of Theoretical Physics*, McGraw-Hill Book Company, New York, 1953