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Continuous measurements, quantum trajectories, and decoherent histories Todd A. Brun Department of Physics

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Quantum trajectory theory is largely employed in theoretical quantum optics and quantum open system theory and is closely related to the conceptual formalism of

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Continuous measurements, quantum trajectories, and decoherent histories Todd A. Brun Department of Physics, Carnegie Mellon University, Pittsburgh, PA 15213 (July 28, 1999) Abstract Quantum open systems are described in the Markovian limit by master equations in Lindblad form. I argue that common "quantum trajectory" techniques corresponding to continuous measurement schemes, which solve

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Quantum Repeated Measurements, Continuous Time Limit Clement Pellegrini Institut de Math ematiques de Toulouse, Laboratoire de Statistique et Probabilit e,

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