

Abstract. Quantum trajectories describe the evolution of a quantum system undergoing indirect measurement. They are stochastic processes satisfying jump-diffusion evolutions. In the limit of strong noise (corresponding to strong measurement) they exhibit non standard evolution. The first pionnering and rigorous works in this field are due to M. Bauer, D. Bernard and A. Tilloy. They have presented the limiting process called spike process as jump processes decorated by spikes. In this talk I will present the complete and rigorous convergence of quantum trajectories to this spike process.