

Re: confused w/ decoherence

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I am far from an expert, but have been studying the density matrix formulas and c^* -algebras for some time now. The problem becomes more clear if you think in terms of conditional probability and renormalization. The 1st measurement takes us from state A_1 to state A_2 , so the next measurement probabilities $p(A_3) = p(A_2|A_1) * p(A_1)$ are conditional upon all previous measurements. Good ole' measure/probability theory applied to complex variables. I found the book 'Quantum Noise' by Gardiner and Zoller to be fairly useful but not mathematical enough for my tastes.

--Stephen

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