

Newton force from spontaneous wave function collapse?

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Spontaneous wave function collapse theories predict tiny dynamical violation of the superposition principle, testable in quantum nano-mechanical experiments in near future. I consider a recent hypothesis that spontaneous wave function collapses are responsible for the existence of Newtonian gravity. To non-gravitational acceleration of masses, the Newton field would respond with a non-relativistic delay of the order of 1ms, leading to effects robust enough for laboratory tests.