Some lower bounds for solutions of Schrödinger evolutions.

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Abstract. I’ll give some lower bounds for regular solutions of Schrödinger equations with bounded and time dependent complex potentials. Assuming that the solution has some positive mass at time zero within a ball of certain radius, we prove that this mass can be observed if one looks at the solution and its gradient in space-time parabolic regions outside of that ball. This is a joint work with Mikel Agirre.