

Friday, November 15<sup>th</sup>, 17.30-18.30

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## QUANTITATIVE AND OBSERVABILITY PROPERTIES OF THE SOLUTION OF SCHRÖDINGER EQUATION

We present 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 regions outside of that ball.