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Carlos E. Kenig* (cek@math.uchicago.edu), Department of Mathematics, University of Chicago, Chicago, IL 60637. *Scattering for $H^{1/2}$ bounded solutions of the cubic, defocusing NLS in $3d$.*

In joint work with Frank Merle we show that if a solution of the defocusing cubic NLS in $3d$ remains bounded in the homogeneous Sobolev norm of order $\frac{1}{2}$, in its maximal interval of existence, then the interval is infinite and the solution scatters. No radial assumption is made. (Received August 14, 2007)