

1139-35-612

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Energy subcritical nonlinear wave equations in the non-radial setting.

In this talk we'll describe joint work with B. Dodson, A. Lawrie and J. Murphy on the energy subcritical radial cubic wave equation. We prove that all solutions scatter as long as the critical norm of the evolution stays bounded using techniques inspired by the work of Kenig and Merle and Duyckaerts, Kenig, and Merle. We'll focus on the new methods we introduced to treat the energy subcritical case in the non-radial setting. (Received February 20, 2018)