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Andrea R Nahmod* (nahmod@math.umass.edu). *Long time dynamics of random data for certain nonlinear PDE.*

In this talk we present some recent probabilistic well posedness results for the NLS, on \mathbb{T}^d ($d = 3, 2, 1$) (joint work with G. Staffilani). If time permits, we conclude by describing recent work on a nondeterministic approach to a 2D modified SQG equation (joint with Pavlovic, Staffilani and Tötz). (Received August 30, 2016)