

# Almost sure scattering for radial nonlinear wave equations

Bjoern Bringmann

In recent years there has been growing interest in random dispersive partial differential equations. For a variety of different equations, local solutions with random initial data have been constructed even at regularities below the (deterministic) critical threshold. However, much less is known about the global existence or the long-time asymptotics of these randomized solutions. During this talk, we will talk about the long-time behaviour of solutions to the radial energy critical nonlinear wave equation in three dimensions. We will see that these solutions scatter, i.e., they asymptotically behave like solutions to the linear wave equation.