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In this talk, we will study the Gross-Pitaevskii hierarchy on the spatial domain \mathbb{T}^3 . In the first part of the talk, we will prove a conditional uniqueness result for the hierarchy. As a result of our analysis, we will obtain a sharp range of integrability exponents in the key spacetime estimate. In the second part of the talk, we will add randomness into the problem by randomizing the collision operators on the Fourier domain. In this randomized setting, we will study the limiting behavior of Duhamel iteration terms. The first part is based on joint work with Philip Gressman and Gigliola Staffilani. The second part is based on joint work with Gigliola Staffilani. (Received September 04, 2013)