Spectral Gap and Decay of Entropy for a Stochastic NLS

SPEAKER: Wei-Min Wang, NYU Shanghai
TIME: 11:00 am - 12:00 pm, Tuesday, April 16, 2019
VENUE: Room 211, Pudong Campus, 1555 Century Avenue
(上海纽约大学211教室，上海市浦东新区世纪大道1555号)

ABSTRACT

We discuss the approach to equilibrium for a stochastic NLS, by analyzing the associated Fokker-Planck equation, and making connections with a Witten-Laplacian, among other things. (This is based on a paper with Lebowitz and Mounaix, and another paper with Carlen, Froehlich and Lebowitz.)

BIOGRAPHY

Wei-Min Wang is a Visiting Professor of Mathematics at NYU Shanghai in Spring 2019. Wei-Min is a Research Director in the Centre National de la Recherche Scientifique (CNRS) in France. She received her B.S. from MIT and Ph.D. from Princeton University. Wei-Min has been a member at the Institute for Advanced Study, Princeton. She was a plenary speaker at the International Congress of Mathematical Physics. Wei-Min's research interests mainly lie in analysis, partial differential equations, infinite dimensional dynamical systems and mathematical physics.