Global asymptotics of stochastic particle systems

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Stochastic particle systems arise in a variety of settings in mathematics and mathematical physics. I will speak about a new way to analyze the global limit behavior of such systems. It can be viewed as a certain version of a non-commutative Fourier analysis. The main sources of applications will be discussed: models of random tilings of planar domains, random matrices, and probabilistic models coming from representation theory.

Wednesday, January 10, 2018 09:00am - 10:00am

Mondi Seminar Room 2, Central Building