

Department of Mathematics, BGU

Probability and ergodic theory (PET)

On Tuesday, December ,29 2015

At 10:50 – 12:00

In Math 101-

Ron Rosenthal (ETH Zurich)

will talk about

Local limit theorem for strongly ballistic random walk in random environments

Abstract: We study the model of random walk in random environments in dimension four and higher under Sznitman's ballisticity condition (T'). We prove a version of a local Central Limit Theorem for the model and also the existence of an equivalent measure which is invariant with respect to the point of view of the particle. This is a joint work with Noam Berger and Moran Cohen.