

# 概率论系列报告 Probability Seminar

报告题目(Title): **Exponential decay of correlations in 2-dimensional random field Ising model**

报告人(Speaker): 夏家铭 Jiaming Xia (UPenn)

时间(Time): **2020/10/19 14:00-15:00**

地点(Venue): 理科一号楼 1114 Science Building No.1

摘要(Abstract):

We consider the random field Ising model on  $\mathbb{Z}^2$  with external field i.i.d.  $N(0, \epsilon)$ . I will present a recent result that under nonnegative temperatures, the effect of boundary conditions at distance  $N$  away on the magnetization in a finite box decays exponentially. This talk is based on the joint work with Jian Ding.

欢迎参加

Everyone is welcome.