Thursday

Title: Counting statistics of fermions (interacting and non-interacting) and the Gaussian free field

Speaker: Pierre Le Doussal

I will describe the results of three moderately recent works about (i) counting statistics of non interacting fermions in arbitrary external potentials in d=1, and in central potentials in d>1 (ii) extrema of the counting height field for some random matrix ensembles (iii) counting statistics for some models of interacting fermions in d=1

Collaborators: Y. Fyodorov, S. Majumdar, N. Smith, and G. Schehr.