



## Probability Seminar

**Title:** Gaussian multiplicative chaos and random matrix theory

**Speaker:** Joseph Najnudel (Bristol)

**Date:** Wed 27th November 2019 at 4:00PM

**Location:** Seminar Room SCN 1.25

**Abstract:** We identify an equality between two objects arising from different contexts of mathematical physics: Kahane's Gaussian Multiplicative Chaos on the circle, and the Circular Beta Ensemble from Random Matrix Theory. This is obtained via an analysis of related random orthogonal polynomials, making the approach spectral in nature.

<mailto:neil.oconnell@ucd.ie>