

## **Ruth Gregory: Primordial Black Holes and Higgs Vacuum Decay**

*Tuesday, 3 December 2019 10:00 (45 minutes)*

The recent discovery of the Higgs and its mass suggests that our vacuum may be metastable. I will review how we calculate the probability of vacuum decay and discuss how black holes alter this rate. This leads to a constraint either on primordial black hole formation or the Higgs potential.