

Ben Freivogel - Quantum Widths of the Black Hole Horizon

Wednesday 15 January 2025 08:45 (45 minutes)

How large are quantum fluctuations in the location of the black hole horizon? I will describe ongoing work addressing this question, sometimes called the ‘quantum width’ of the black hole horizon. I will connect to recent work by Bousso-Penington and Parikh-Pereira, as well as older work of Marolf, which define different quantum widths for the black hole horizon.

Presenter: FREIVOGEL, Ben