



INVITATION

as part of the Mathematical Physics Theory Seminar

to the online talk by

Pei-Ming HO

(National Taiwan University)

on

“Hawking Radiation After Scrambling Time”

Abstract:

We investigate the effects of the generalized uncertainty principle (GUP) on Hawking radiation in a quantum field theory. Our calculations demonstrate that the GUP leads to a suppression of Hawking radiation near the scrambling time.

This finding challenges the conventional understanding of Hawking radiation's robustness and is consistent with the nice-slice argument. We discuss the implications of these results for the black hole information paradox and the nature of quantum gravity.

Time: Tuesday, 29 October 2024, 2:00 p.m.

Location: Erwin-Schrödinger Lecture Hall, 1090 Vienna, Boltzmannngasse 5, 5th floor