

# GTP Seminar

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HH-3026, 4:00p.m.*

*On the proximity of black hole horizons:  
lessons from Vaidya*

## **Abstract:**

**In dynamical spacetimes apparent and event horizons do not coincide. We consider their geometrical meaning and propose a measure of the distance between those horizons and investigate it for the case of the Vaidya spacetime. We show that it is well-defined, physically and geometrically meaningful, and has the expected behaviour in the near-equilibrium limit. We consider its implications for our understanding of black hole physics.**