

Brian Swingle - Statistical Probes of the Black Hole Interior

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From the outside, black holes can be viewed as rapidly thermalizing quantum many-body systems. The interior of the black hole is more mysterious. We discuss concrete exterior observables which are precisely related to the interior geometry and allow us to probe its growth. The twist is that these observables are statistical and involve many identical copies of the black hole. We also discuss how these results fit into the “quantum gravity in the lab” program.

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