

APCTP Workshop: Field Theory and Geometry in Fractional Quantum Hall and Flat Band Systems

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Black Holes in Holography

Thursday 4 December 2025 10:00 (1 hour)

We review various black holes in AdS space with the holographic point of view in mind. The topic to be included is the geometric realization of the phase transitions, the Maxwell construction, diverse phases in nonlinear charge interactions, etc. We also consider the ensemble dependence of the phases through the charged black holes, whose corresponding meaning in terms of the boundary field theory is not yet clear

Presenter: LEE, Bum-Hoon