

Contribution ID: 5

Type: not specified

## Thermal correlators in AdS/CFT, ANECs and the Bootstrap

Wednesday 18 January 2023 09:00 (1 hour)

The emergence of dynamical spacetime in the bulk in AdS/CFT, from metric fluctuations to black hole solutions, is an interesting challenge for the conformal bootstrap program. How are properties of the horizon and the singularity encoded in the CFT data? A set of minimal observables which plays an important role in this context are stress tensor correlators at finite temperature. I will discuss, from the bulk, how to calculate the thermal stress tensor two-point function and its decomposition in CFT data for multi-trace stress tensor operators. In the lightcone limit, the correlators are dominated by the ANEC and its higher spin generalizations. We further consider GB gravity in order to vary the stress tensor OPE coefficients and argue that when the ANEC is saturated, all the higher spin ANECs also are saturated. Moreover, the obtained data is consistent with ANEC interference effects. We end by discussing future directions such as universal features in the lightcone limit and how to probe deeper into the bulk using the bootstrap.

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