



Contribution ID: 14

Type: **Parallel talk**

## **Holography for spin-2 fields in rotating black holes**

*Thursday, 22 June 2017 14:45 (15 minutes)*

We find the explicit form of two-point function for the conformal spin-2 energy momentum operators on the near horizon of a near extremal Kerr black hole by variation of a proper boundary action. In this regard, we consider an appropriate boundary action for the gravitational perturbation of the Kerr black hole. We show that the variation of the boundary action with respect to the boundary fields yields the two-point function for the energy momentum tensor of a conformal field theory. We find agreement between the two-point function and the correlators of the dual conformal field theory to the Kerr black hole.

### **Presentation type**

Parallel talk

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**Session Classification:** Parallel II