

## **Netta Engelhardt: "Emergent Causality in Holography"**

*Wednesday, 20 June 2018 15:30 (45 minutes)*

I will discuss an approach to indeed the emergence of causality from a new construct, the causal density matrix. This framework provides a sufficient and necessary condition for a quantum field theory to have a holographic dual with semi classical causal structure. I will discuss several applications of the causal density matrix.

**Session Classification:** Afternoon session