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[chair: Jaewon Song (KAIST)]

"CFT Dual of dS3 and Pseudo Entropy"

We propose a holographic duality for gravity on a three-dimensional de Sitter space. This is essentially given by a k=-2 limit of SU(2) WZW model. We show that this proposal reproduces the expected free energy in de Sitter gravity. We also analyze the geodesic length in the three dimensional de Sitter spacetime and argue that it is interpreted as holographic pseudo entropy. We will also discuss a time-like entanglement entropy in AdS/CFT which shares a similar property in terms of pseudo entropy.