

Celestial meets de Sitter holography



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Insights from exact results in dS

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In this talk I will present an exactly solvable theory on a fixed de Sitter spacetime that can be analyzed efficiently using Euclidean methods. I will then discuss the fully non-perturbative, all loop correlation function of gauge invariant operators and demonstrate many features endemic of quantum field theory in de Sitter space such as the appearance of late-time logarithm and their resummation. Time permitting, I will discuss how this theory allows us to entertain the idea of new de Sitter invariant vacuum states.

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