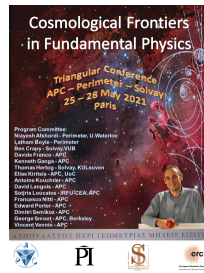


# Cosmological Frontiers in Fundamental Physics Triangular Conference : APC - Perimeter - Solvay 2021



ID de Contribution: 14

Type: Non spécifié

## Holographic routes to de Sitter space

*jeudi 27 mai 2021 15:40 (40 minutes)*

Constructing cosmological solutions in the context of string theory has been notoriously elusive. In this talk I will discuss, from a bottom up point of view, possible ways of obtaining de Sitter/cosmological geometries based on the gauge/gravity duality. These methods are alternative to the standard route (finding a semiclassical vacuum solution of string theory with an effective positive vacuum energy), avoid some common pitfalls and problems, and can potentially be implemented as top-down string theory constructions. These solutions have a field theory dual description as non-vacuum states in (deformed) conformal field theories, and arise due to either non-trivial sources or non-trivial initial conditions.

**Orateur:** Prof. NITTI, Francesco (APC)

**Classification de Session:** First Session, Thursday