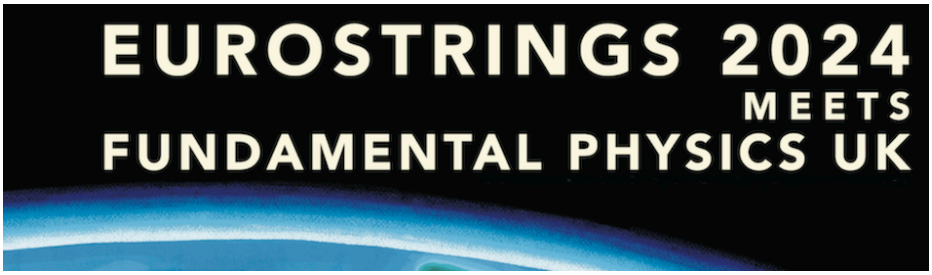

Contribution ID: **133** Type: **Plenary talk**

Algebraically special holography

Tuesday 3 September 2024 16:30 (30 minutes)

I will discuss algebraically special solutions of four-dimensional gravity in the context of holography. These are exact solutions of the field equations that contain a number of arbitrary transverse functions subject to non-linear constraints. In the case of negative cosmological constant, the configuration space defined by such solutions is not compatible with standard Dirichlet boundary conditions, resulting in a modified holographic dictionary. I will discuss the variational problem for algebraically special solutions, its holographic interpretation, and its connection with the thermodynamics of accelerating AdS black holes.

Link to publication (if applicable)

Author: PAPADIMITRIOU, Ioannis (National and Kapodistrian University of Athens (GR))

Co-author: SKENDERIS, Kostas

Presenter: PAPADIMITRIOU, Ioannis (National and Kapodistrian University of Athens (GR))

Session Classification: Plenary session