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Homogeneous AdS black strings in General Relativity and beyond

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In this talk we will present a new method to construct homogenous AdS black strings/p-branes in General Relativity and Lovelock gravity. These configurations are obtained by means of a specific "scalar dressing" of the extended coordinates. We will show how to use this method to construct the Schwarzschild AdS black string, the black string extension of the Boulware-Deser black hole and some black strings configurations in the presence of matter fields.

Summary

New exact homogenous black strings solutions with cosmological constant will be shown in the context of general relativity and lovelock theories.

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