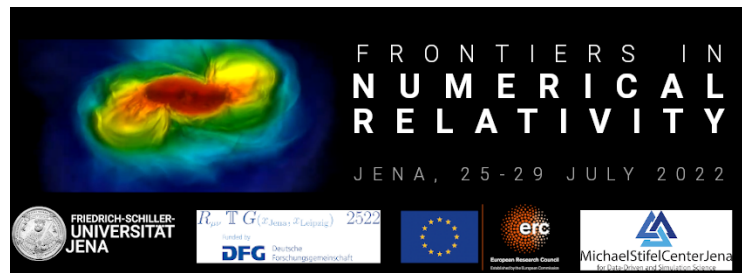


Frontiers in Numerical Relativity 2022 (FNR2022)



Contribution ID: 17

Type: **not specified**

Modified CCZ4 formulation of Einstein-scalar-Gauss-Bonnet theory

Monday, 25 July 2022 17:45 (15 minutes)

In this talk I will present the equations of the Einstein-scalar-Gauss-Bonnet theory, a modified theory of gravity, in the 3+1 formulation with a modified gauge that proves to be strongly hyperbolic. Then I'll show some of the numerical results that we have obtained from the implementation of these equations with GRChombo, a numerical general relativity code with fully adaptive mesh refinement.

Presenter: ARESTÉ SALÓ, Llibert (Queen Mary University of London)

Session Classification: Short talks