



Contribution ID: 932

Type: **Talk in the parallel session**

Multicenter and Rotating Solutions in Eddington-inspired Born-Infeld Gravity

Friday, 9 July 2021 06:30 (25 minutes)

In the so-called Ricci-based Gravity theories (RBGs for short) it is possible to transform a modified gravity problem into a standard problem in GR coupled to a modified matter source. Taking advantage of this property, one can also take non-vacuum solutions of GR and use them as seeds to generate new solutions in other theories of the RBG family. I will present recent results in this direction in which exact solutions of the Kerr-Newman type and multicenter (Majumdar-Papapetrou) type are generated in the so-called Eddington-inspired Born-Infeld (EiBI) theory of gravity.

Primary author: OLMO, Gonzalo J. (University of Valencia - CSIC)

Co-authors: RUBIERA-GARCIA, Diego (Complutense University of Madrid); GUERRERO, Merce (UCM); Prof. ORAZI, Emanuele (UFRN); Mr MORA-PÉREZ, Gerardo

Presenter: OLMO, Gonzalo J. (University of Valencia - CSIC)

Session Classification: Exact Solutions in Four and Higher Dimensions

Track Classification: Exact Solutions: Exact Solutions in Four and Higher Dimensions