

## XXI Meeting of Physics 2021



Contribution ID : 68

Type : **parallels**

# Why pseudo-complex General Relativity and application to gravitational waves

*Friday, 17 December 2021 09:30 (60)*

A brief review on the pseudo-complex General Relativity is presented. The “why” this theory is the only algebraic extension is argued and its relation to earlier attempts is given. The theory is applied to the structure of accretion disks around black holes and to gravitational waves. Differences are discussed.

**Primary author(s)** : Prof. HESS, Peter

**Presenter(s)** : Prof. HESS, Peter

**Session Classification** : keynotes

**Track Classification** : Astronomy and Cosmology