



Contribution ID: 285

Type: **Oral Presentation**

## Stueckelberg superfield in supergravity

*Tuesday, 27 August 2019 13:00 (30 minutes)*

It is known that de Sitter solutions in supergravity require supersymmetry breaking. I will present a new construction that allows the inclusion of the goldstino into supergravity, based on applying the Stueckelberg trick to a novel superfield formulation of unimodular supergravity. I will show the existence of de Sitter solutions and also the connection to the Volkov-Akulov model in the flat limit of our theory.

**Primary author:** Dr NAGY, Silvia (Silvia)

**Presenter:** Dr NAGY, Silvia (Silvia)

**Session Classification:** Workshop on New physics paradigms after Higgs and gravitational wave discoveries