

Stueckelberg superfield in supergravity

Wednesday 22 May 2019 16:20 (15 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.

Author: NAGY, Silvia (University of Nottingham)

Presenter: NAGY, Silvia (University of Nottingham)

Session Classification: Supersymmetry: Models, Phenomenology and Experimental Results

Track Classification: Supersymmetry: Models, Phenomenology and Experimental Results