## The 4th Conference of the Polish Society on Relativity



Contribution ID: 55

Type: Oral presentation (preferred)

## Mathisson's Equations without Him

Wednesday 27 September 2017 11:45 (20 minutes)

The main stages of investigations of spinning particle motions in general relativity, that are described by the equations which appeared in literature in 1937 due to the pioneer paper of Myron Mathisson (1897-1940), are under consideration. Period from 1940s up today is included. The specific properties of the highly relativistic regime of the spin-gravity coupling and spinning particle motions in the Schwarzschild, Kerr, and Schwarzschild-de Sitter backgrounds are discussed.

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Session Classification: Mini-session dedicated to 80th anniversary of the Mathisson's equations