

Relativistic statistics of particles with scalar interaction in a space with torsion

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Abstract

In the framework of statistical approach to the Einstein-Cartan theory of gravitation, a relativistic collisionless gas of particles is considered with an interaction via a neutral scalar field. Solutions of Einstein-Cartan-Vlasov system of equations are obtained for a scalar field with a source in Minkowski space. © 1989 Plenum Publishing Corporation.

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