

Notoph-Graviton-Photon Coupling

Wednesday, 11 September 2013 19:30 (2h 30m)

“We present the full theory which contains photon, notoph (the Kalb-Ramond field) and the graviton. The relations of this theory with the higher spins theories are established. In fact, we deduced the gravitational field equations from relativistic quantum mechanics [1]. The relations of this theory with scalar-tensor theories of gravitation and $f(R)$ are discussed. Finally, we estimate possible interactions graviton-notoph, photon-notoph, and conclude that they will be probably seen in experiments in the next few years.

[1] V. Dvoeglazov, Adv. Appl. Clifford Algebras, Vol. 10, No. 1 (2000) pp. 7-14; Int. J. Mod. Phys. CS Vol. 3 (2011) 121-132.”

Primary author: Dr DVOEGLAZOV, Valeriy V. (Univ. Autonoma de Zacateacs, Escuela de Fisica)

Presenter: Dr DVOEGLAZOV, Valeriy V. (Univ. Autonoma de Zacateacs, Escuela de Fisica)

Session Classification: Poster Session

Track Classification: Dark Matter