

IFWGP'07 | International Fall Workshop on Geometry and Physics

Speaker: Pedro Castelo Ferreira

Title: Canonical Functional Quantization of Extended $2+1D$ $Ue(1) \times Ug(1)$
Electromagnetism

Abstract:

It is introduced $Ue(1) \times Ug(1)$ in planar systems containing both photons and pseudo-photons. It is presented canonical functional quantization of the theory in the presence of constant background electromagnetic fields [work in progress].

References:

1. J.Math.Phys.47 (2006) 072902, hep-th/0510063
2. accepted for publication, hep-th/0703193
3. submitted for publication, hep-th/0703194