



Contribution ID: 56

Type: Plenary/Parallel talk

## Einstein-Cartan Magnetogenesis and Axionic Dynamos

Einstein-Cartan magnetogenesis are investigated in two cases: i) First in the case of torsion suppression in Brans-Dicke inflation. ii) in the second, Einstein-Cartan-Holst magnetogenesis is investigated. In the first case axion dark matter is investigated with axion-torsion transmutation.

references: 1. L C Garcia de Andrade, Topoçological defects in Einstein-Cartan magnetogenesis and dynamo effects, Acad publishers (2021) Moldavia

2; Garcia de Andrade, Dynamical torsion suppression in Brans-Dicke inflation with LV, Eur Phys J C (2022) in press.

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**Session Classification:** Poster session