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Tipo: poster

General Poincaré gauge theory: Hamiltonian structure and particle spectrum

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Basic aspects of the Hamiltonian structure of the parity-violating Poincaré gauge theory are studied. We found all possible primary constraints, identified the corresponding critical parameters, and constructed the generic form of the canonical Hamiltonian. In addition to being important in their own right, these results offer dynamical information that is essential for a proper understanding of the particle spectrum of the theory, calculated in the weak field approximation around the Minkowski background.

Autore principale: Dr. CVETKOVIC, Branislav (Institute of physics)

Coautore: Prof. BLAGOJEVIC, Milutin (Institute of physics)

Relatore: Dr. CVETKOVIC, Branislav (Institute of physics)

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