
ID contributo: **14** Tipo: **non specificato**

# The underlying gauge theory of the pure spinor superstring

*mercoledì 8 maggio 2019 11:00 (30 minuti)*

Previous attempts to determine the worldsheet origin of the pure spinor formalism were not completely successful, but introduced important concepts that seem to be connected to its fundamental structure. I will present here a new proposal for the underlying gauge theory of the pure spinor superstring, based on an extension of Berkovits' twistor-like constraint. I will start with a quick review of previous approaches and then proceed to the BRST quantization of the new model. I will show that, after a field redefinition, spacetime supersymmetry emerges and the resulting action describes the pure spinor superstring.

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**Classifica Sessioni:** Talks