

Braided BV quantization beyond Moyal deformation: scalar fields in λ -Minkowski NC spacetime

Wednesday 9 July 2025 12:45 (15 minutes)

In this talk we will review the newly developed method for quantization of noncommutative (NC) field theories, the braided BV quantization. We will discuss results for the NC QFT on the Moyal space and then we will generalize these to a spacetime with non-constant noncommutativity, the λ -Minkowski spacetime. We will show that, in the case of scalar field theory, the NC contribution enters in a specific way and we will discuss the obtained results in some detail.

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