



Contribution ID: 125

Type: Oral presentation

## A novel method to evaluate real-time path integral for scalar $\phi^4$ theory

*Wednesday 28 July 2021 22:30 (15 minutes)*

We present a novel method to evaluate the real-time path integral for 1+1 dimensional real scalar  $\phi^4$  theory. The method can be combined with tensor network coarse-graining schemes. As a demonstration we will show numerical results of two-point correlator in a small lattice.

**Primary author:** Dr TAKEDA, SHINJI (Kanazawa university)

**Presenter:** Dr TAKEDA, SHINJI (Kanazawa university)

**Session Classification:** Algorithms (including Machine Learning, Quantum Computing, Tensor Networks)

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