



Contribution ID: 85

Type: **not specified**

## Simulating high-energy physics on a quantum computer

*Monday, 20 July 2020 15:15 (15 minutes)*

Quantum field theory (QFT) provides a framework to study phenomena in high-energy physics. However, its simulation in the strong interaction regime remains computationally challenging. Quantum computing could serve as an efficient tool to simulate QFT models in the future. In this talk, I will discuss a quantum algorithm to simulate the  $\phi^4$  scalar model.

### Summary

### Fermilab report number

FERMILAB-SLIDES-20-047-QIS

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**Session Classification:** Monday Afternoon 2