



東北大学 宇宙創成物理学国際共同大学院プログラム

GPPU Seminar

“Lattice Gauge Theory and Quantum Computing”

by Arata Yamamoto (University of Tokyo)

Time and Date: 10:00-12:00, May 24th, 2024

Place: Room 745, Science Complex B H03 (hybrid)

Registration: "<https://us02web.zoom.us/meeting/register/tZUvcumhqDwoGNCJZbxEk3x0Q5xB0waVdLNC>”

Lattice gauge theory is the first-principle computational approach in quantum field theory. It is very powerful for investigating particle and nuclear physics. Nowadays, the application of quantum computing to lattice gauge theory is actively discussed. In this talk, I will overview the basic idea and recent developments of lattice gauge theory.

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