

Seminar Title:

Interplay of relativistic and quantum-mechanical
effects in atoms and photons

Speaker: **Prof. Joshua Foo**

Kyushu University

日時 : 2026年6月11日(木) 14:00-15:30

Date and Time: Thursday, June 11, 2026, 14:00-15:30

場所 : 理学研究科5号館5階第4講義室525号室

Place: The 4th Lecture room, Room 525 (5F), Physics Department Building

Abstract:

Advances in AMO platforms in the past several decades have inspired new directions for testing the interplay between relativistic and quantum effects at low energies. In this talk, I will discuss two proposals to witness new quantum relativistic effects in the dynamics of single photons and trapped-ion optical clocks. I will discuss how these may provide guidance on testing the quantum nature of gravity in tabletop experiments.

共催 : ASPIRE

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