

801st ASRC Seminar

Date: 6月 23日 (水), 15:00~16:30

Location: Zoomによるオンラインセミナー

Speaker: 蘆田 祐人 氏

(東京大学大学院理学系研究科物理学攻)

Title: Physics of open systems:
from non-Hermitian to light matter systems

Abstract:

When a quantum system interacts with external world, it can exhibit potentially new and rich phenomena, many of which are not readily accessible in isolated systems. I will try to present an overview and some recent developments in the physics of such open quantum systems [1].

Time permitting, I will also talk about recent results on strongly coupled light-matter systems, which can serve as yet another class of open systems in nonperturbative regimes [2].

[1] YA, Z. Gong, M. Ueda, *Advances in Physics*, 69, 3 (2020).

[2] YA et al., *Phys. Rev. X* 10, 041027 (2020); *Phys. Rev. Lett.* 126, 153603 (2021).

<Contact>

内野 瞬(81-5450)

ZoomのURLにつきましては、
内野(uchino.shun@jaea.go.jp) まで
ご連絡ください。