

ERATO TOMOE Three-Nucleon Force Project

Progress Meeting: Recent research updates and topics from related fields

Project Overview – Nuclear Force Completion to Scientific Innovation –

The TOMOE project aims to understand the fundamental mechanisms of nuclear properties and extend them to applied sciences. This project seeks to determine the three-nucleon force through integrated theoretical and experimental approaches, and subsequently utilize this knowledge to develop quantum many-body calculation methods and simulation tools for accurately predicting nuclear properties.

Organizer

ERATO TOMOE Three-Nucleon Force Project

Research Director: Kimiko Sekiguchi [Kyoto University/RIKEN]



Conference Information

2026年6月18日(木) – 19日(金)

June 18 (Thu) – 19 (Fri), 2026

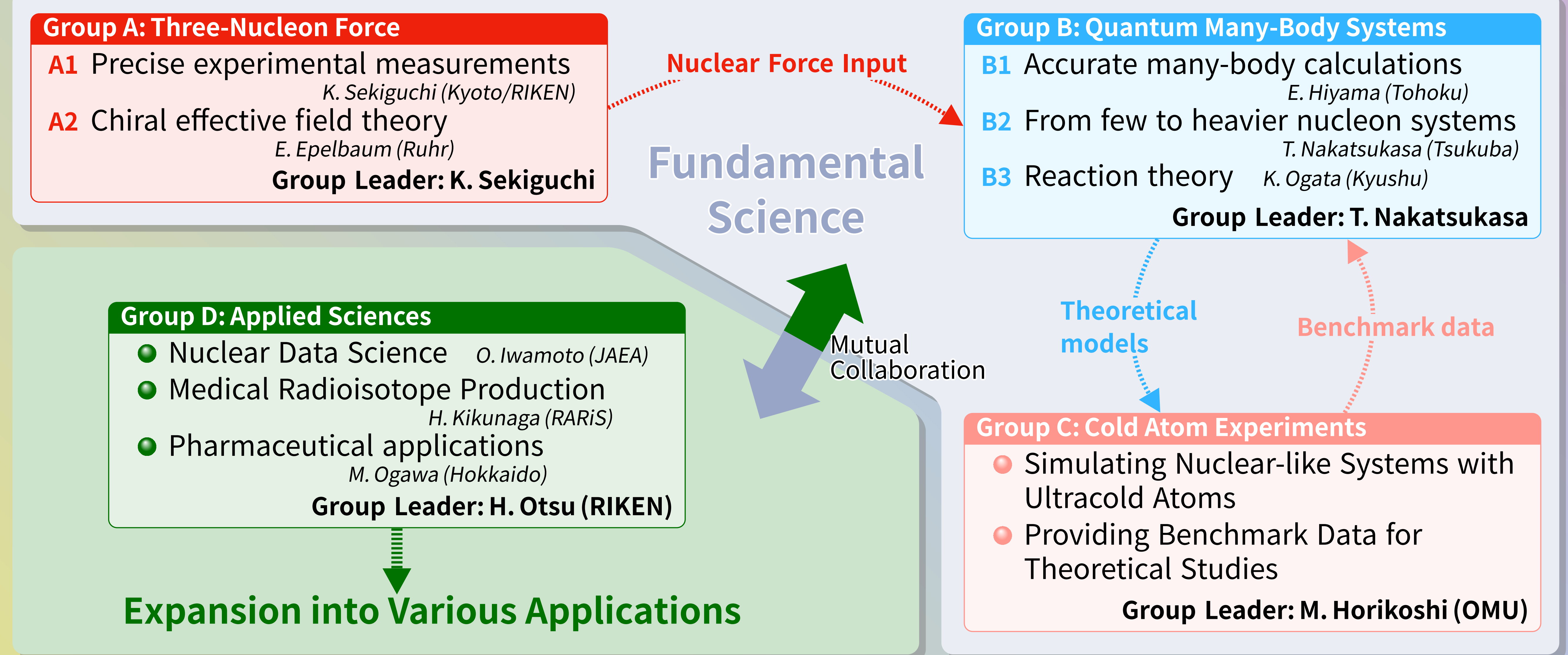
京都大学 理学研究科 セミナーハウス
(京都大学 吉田キャンパス北部構内)

Seminar House, Graduate School of Science
Kyoto University
(Northern Yoshida Campus)



Open to online attendees and external researchers

Research Groups



Program Highlights

● Research Presentations: Latest results from Groups A-D

● Special Topics: Four invited speakers (below)

● 原子核崩壊からがん治療へ

Department of Nuclear Medicine and Tracer Kinetics, Osaka University Graduate School of Medicine

Prof. T. Watabe [Invited]

● ラインX線ガンマ線イメージングのご紹介～ERATO前夜から現在まで～

Department of Applied Physics, Faculty of Science and Engineering, Waseda University

Prof. J. Kataoka [Invited]

● ミュオン触媒核融合の新展開: 共鳴状態の直接観測と将来展望

Department of Mathematical and Physical Sciences, Chubu University

Prof. S. Okada [Invited]

● 中性子-リチウム核反応に対する準微視的アプローチの現状と展望

Department of Physics, Kyushu University

Prof. K. Ogata [Group B]

Registration

- Registration required (Free)
- Registration URL: https://indico2.riken.jp/e/tomoe_2026
- Please register by the following deadlines:
 - ▶ In-person participation: 2026/06/04
 - ▶ Online participation: 2026/06/16



Contact Information

For inquiries, please contact:

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(please remove [] when sending)