

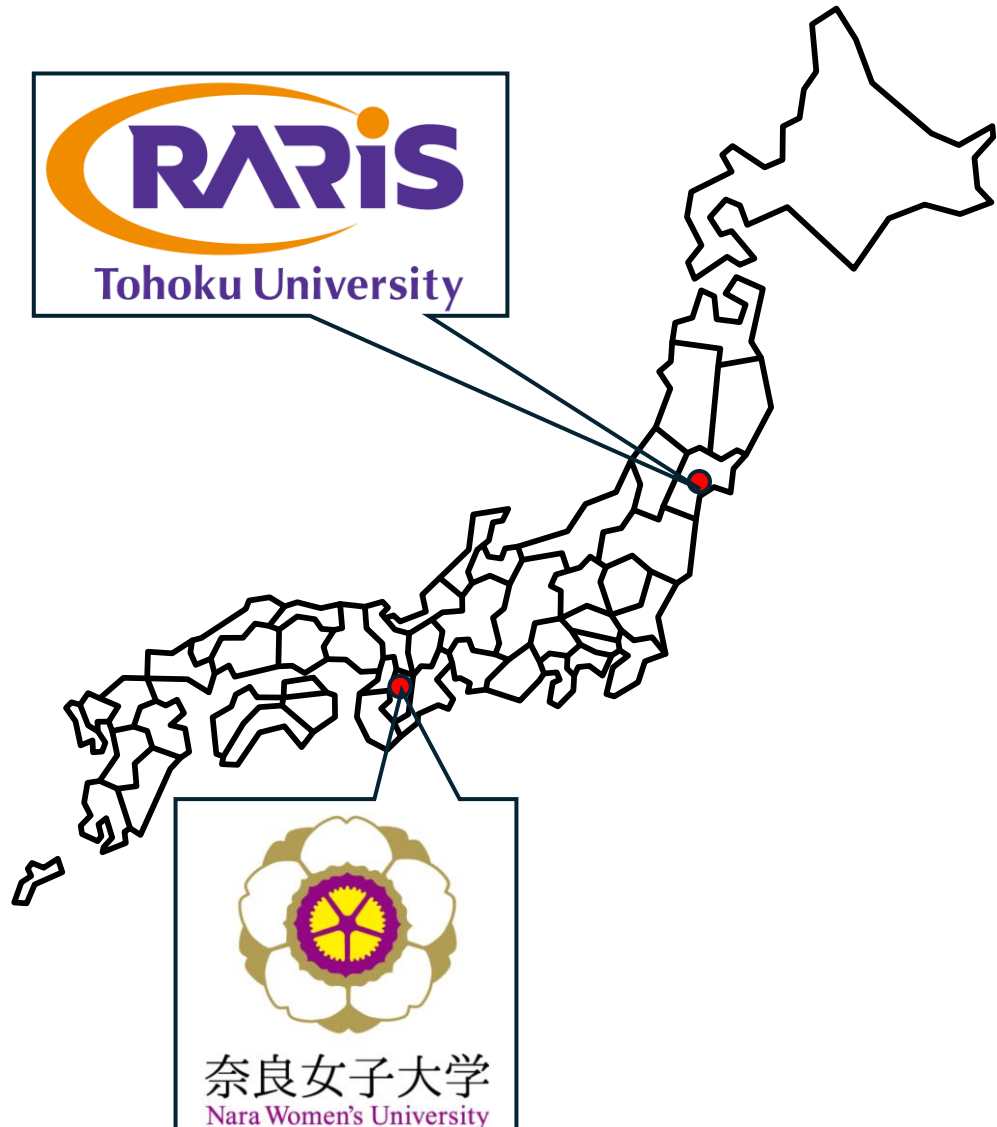
Introduction of Tohoku University / RARiS and Nara Women's University

Takashi Hachiya
Nara Women's University

Maya Shimomura
Tohoku University/RARiS &
Nara Women's University



New lab at Tohoku University

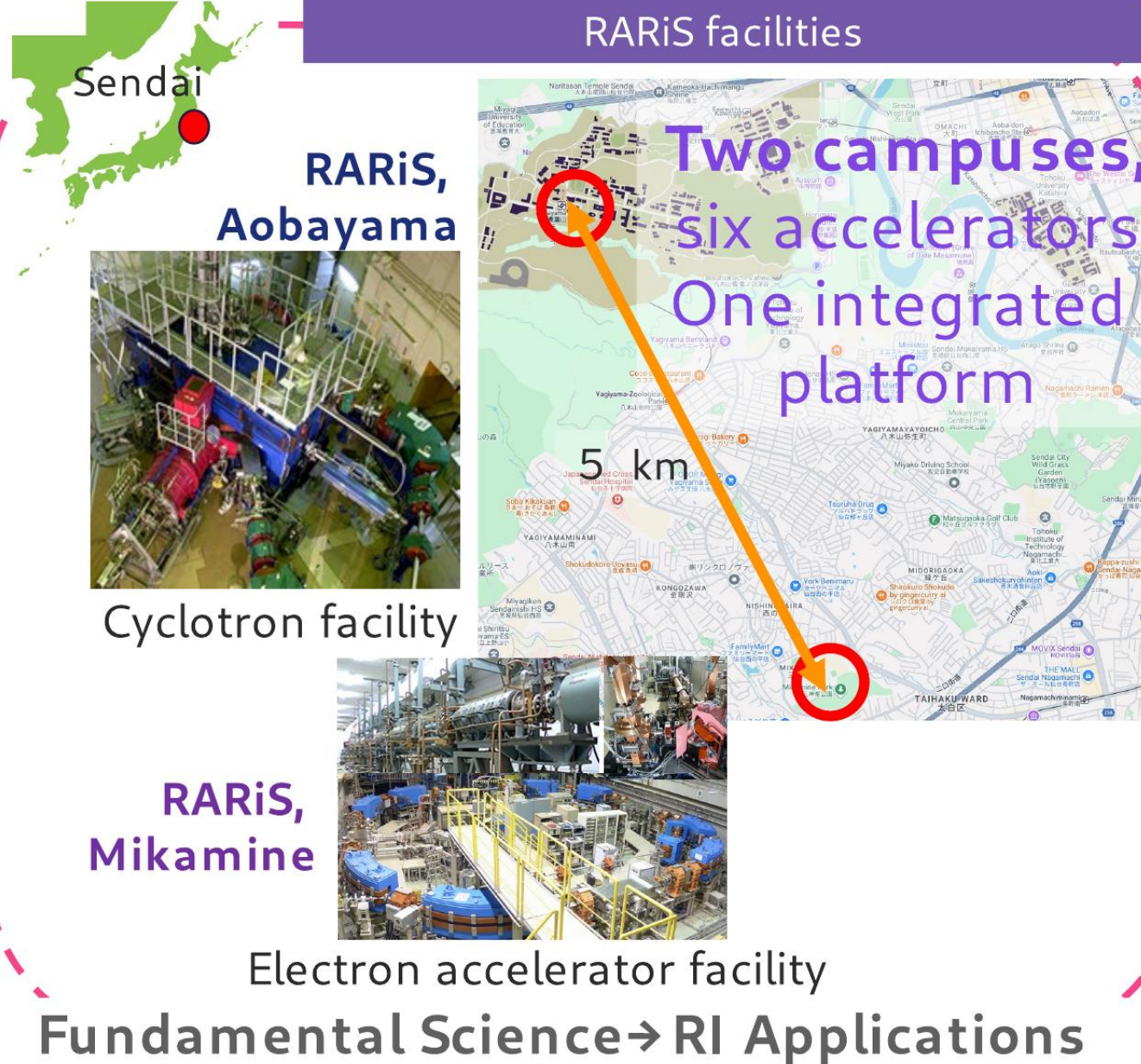


- **Nara Women's University**

- Research on QGP physics at RHIC/LHC and CP physics in $e+e-$ experiments
- Experience in the development of silicon detectors
- In ePIC, involved in the BTOF (AC-LGAD) project
 - Responsible for the development of full-size detectors, including the FPC and support structure

- **Tohoku University / RARiS**

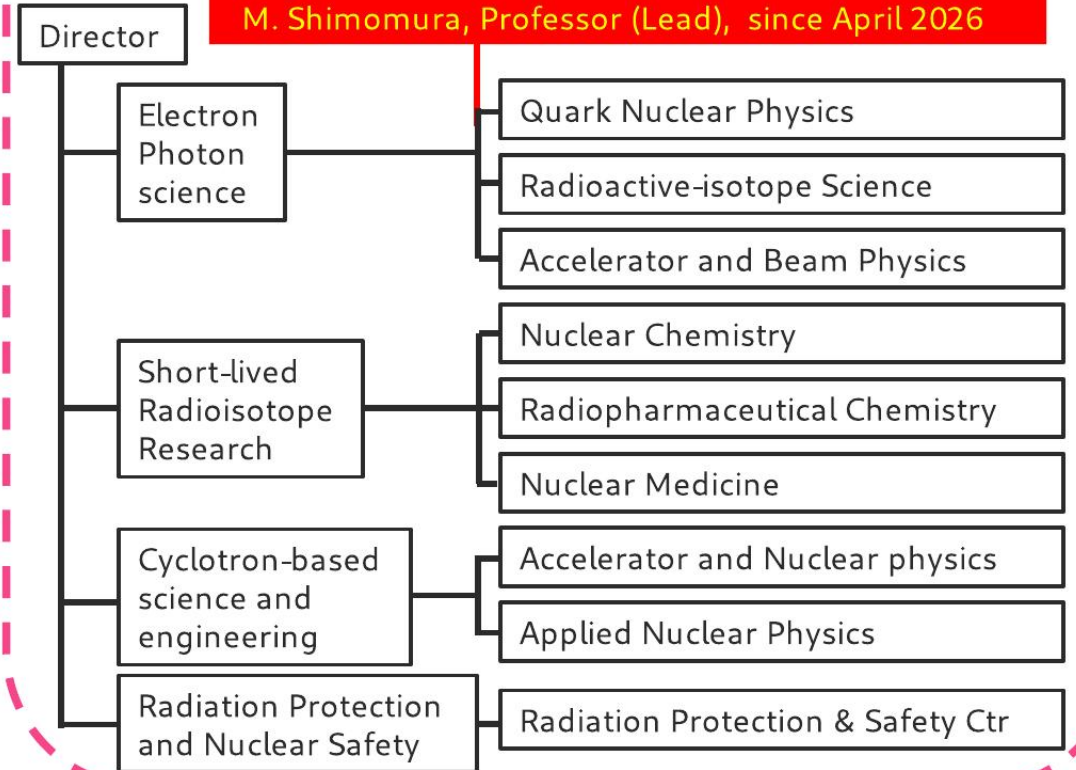
- Establishing a new laboratory
 - Gradually moving activities from Nara Women's University



RARiS Structure and New High-Energy Nuclear Physics Laboratory

New **High-Energy Nuclear Physics Laboratory**, established in April 2026 to strengthen and expand research capabilities at RARiS

High-Energy Nuclear Physics
Lead: ALICE and International heavy-ion program at RARiS
M. Shimomura, Professor (Lead), since April 2026



High Energy Nuclear Physics Lab @ RARiS

- Nara WU (BTOF)
 - Staff : Takashi Hachiya, Maya Shimomura
 - 3 master students (BTOF)
- HENP @ RARiS
 - Staff: Maya Shimomura, (Takashi Hachiya)
 - Post Doc : Cheng-Wei Shih (PhD from sPHENIX)
 - Students : hopefully one MS student from next year
 - R&D space ($\sim 10 \text{ m}^2$) requested
- We are interested in SVT technology and detector construction

Maya Shimomura



T. Hachiya



Cheng-Wei Shih

