

# International symposium on 3-Nucleon-Force Frontiers 2027

The 70th Anniversary of  
Fujita-Miyazawa  
Three-Body Force

# 3NFF 2027

ERATO

 TOMOE



<https://ribf.riken.jp/TOMOE/3NFF/>

## KYOTO, JAPAN

Kyoto International Conference Center

## May 17-20, 2027

### CHAIR

Kimiko Sekiguchi (Kyoto/ RIKEN)

### THE TOPICS TO BE DISCUSSED:

- **Fujita-Miyazawa 3NF:** Historical heritage and future perspectives
- **Theoretical Frameworks:** Lattice QCD, Effective field theory, and advanced numerical methods
- **Few-Nucleon Systems:** Precision studies to determine 3NF properties
- **Nuclear Frontiers:** Structure and reactions of stable and unstable nuclei
- **Extreme Matter:** Hypernuclei, EoS, and astrophysical challenges
- **Quantum Simulations & Applications:** Cold atomic systems, nuclear data, and nuclear medicine

### ORGANIZING COMMITTEE

K. Sekiguchi (Kyoto/RIKEN), T. Fukahori (JAEA, scientific secretary), E. Hiyama (Tohoku/RIKEN), M. Horikoshi (OMU), T. Nakatsukasa (Tsukuba), K. Ogata (Kyushu), H. Sakai (RIKEN, honorary member), S. Shimoura (RIKEN), S. Yoshida (Utsunomiya/RIKEN)

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