

# TOGAXSI roadmap workshop

Yuki Kubota

# Program

10:00 → 10:05 **Opening** ⌚ 5m

Speaker: Dr Yuki Kubota (RIKEN Nishina Center)

10:05 → 12:00 **Reports from on-site members**

Convener: Dr Yuki Kubota (RIKEN Nishina Center)

10:05 **RIBF and SAMURAI** ⌚ 15m

Speaker: Tomohiro Uesaka (RIKEN Nishina Center)

10:20 **Current roadmap of TOGAXSI** ⌚ 15m

Speaker: Dr Yuki Kubota (RIKEN Nishina Center)

10:35 **TOGAXSI demonstrator** ⌚ 15m

Speaker: Shumpei KOYAMA (RIKEN Nishina Center)

10:50 **Coffee break** ⌚ 10m

11:00 **Si tracker** ⌚ 15m

Speaker: Yosuke KONDO (RIKEN Nishina Center)

11:15 **GAGG calorimeter** ⌚ 15m

Speaker: Taiki Sugiyama (Spin isospin Laboratory)

11:30 **DAQ and GAGG development (pulse shape analysis)** ⌚ 15m

Speaker: Takayuki YANO (Kyoto University)

11:45 **Cryogenic target** ⌚ 15m

Speaker: Dr Yohei Matsuda (Konan University)

12:00 → 14:00 **Lunch break** ⌚ 2h

14:00 → 16:25 **Future projects**

Convener: Dr Yuki Kubota (RIKEN Nishina Center)

14:00 **SAMURAI57:  $^{50-52}\text{Ca}$ ; PSP-2:  $\text{N}=\text{Z}$  ( $^{40}\text{Ca}-^{62}\text{Zn}$ )** ⌚ 15m

Speaker: Dr Yuki Kubota (RIKEN Nishina Center)

14:15 **PSP-1:  $^{104-109}\text{W}$ ,  $^{130-134}\text{Sn}$**  ⌚ 15m

Speaker: Juzo ZENIHIRO (Department of Physics, Kyoto University)

14:30 **PSP-3:  $^{214-216}\text{W}$ ,  $^{220-222}\text{Th}$**  ⌚ 15m

Speakers: Junki Tanaka (Riken, Nishina Center), Junki Tanaka (TU Darmstadt)

14:45 **SAMURAI74: (p,3p) and (p,p<sub>α</sub>) for  $^4\text{n}$ ,  $^6\text{n}$**  ⌚ 15m

Speaker: Dr Kenjiro Miki (Tohoku University)

15:00 **SAMURAI33:  $^{12-20}\text{C}(p,p_{\alpha})$ ; Future proposal: (p,3p) for  $^3\text{H}$ ,  $^3\text{He}$**  ⌚ 15m

Speaker: Dr Zaihong Yang (Peking University)

15:15 **Coffee break** ⌚ 10m

15:25 **SAMURAI32: (p,2p)-fission** ⌚ 15m

Speaker: Masaki Sasano (RIKEN Nishina Center)

15:40 **SAMURAI64R1: (α,p)** ⌚ 15m

Speakers: Dr Sunji Kim, Dr Yohei Matsuda (Konan University)

15:55 **Future proposal:  $^{11-15}\text{B}(p,p'\text{He})$**  ⌚ 15m

Speakers: Didier Beaumel (JULab, Orsay), Dr Pengjie Li (Institute of Modern Physics, China)

16:10 **Future proposal: (p,2p) for IAS** ⌚ 15m

Speaker: Shumpei KOYAMA (RIKEN Nishina Center)

16:25 → 16:35 **Coffee break** ⌚ 10m

16:35 → 17:35 **Discussion** ⌚ 1h

Speaker: Dr Yuki Kubota (RIKEN Nishina Center)



# Towards the next step

Minimum goal:

- To share realistic construction status / plan for TOGAXSI.
- To find out items that can be developed among the collaboration.
- To look for the possibility of campaign-type measurements by combining several programs.

Homework:

- Clarify the core interests of your projects.
- List up what compromises can be made to realize the measurements.