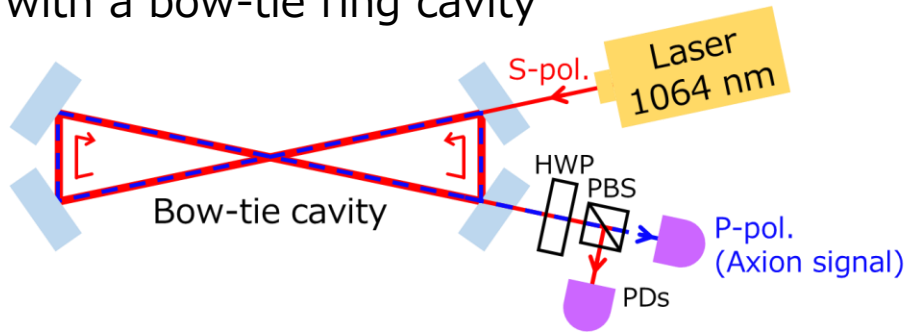


First observation and analysis of DANCE: Dark matter Axion search with riNg Cavity Experiment

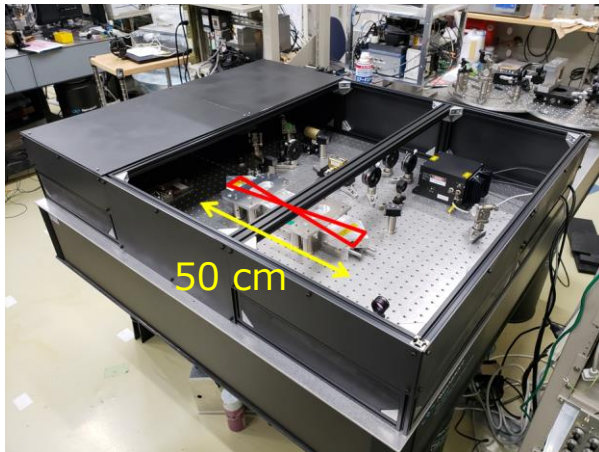
Yuka Oshima (Dept. of Physics, Univ. of Tokyo)

Hiroki Fujimoto, Masaki Ando, Tomohiro Fujita, Jun'ya Kume, Yuta Michimura, Soichiro Morisaki, Koji Nagano, Hiromasa Nakatsuka, Atsushi Nishizawa, Ippei Obata, Taihei Watanabe

DANCE can detect the rotational oscillation of linear pol. caused by axions with a bow-tie ring cavity

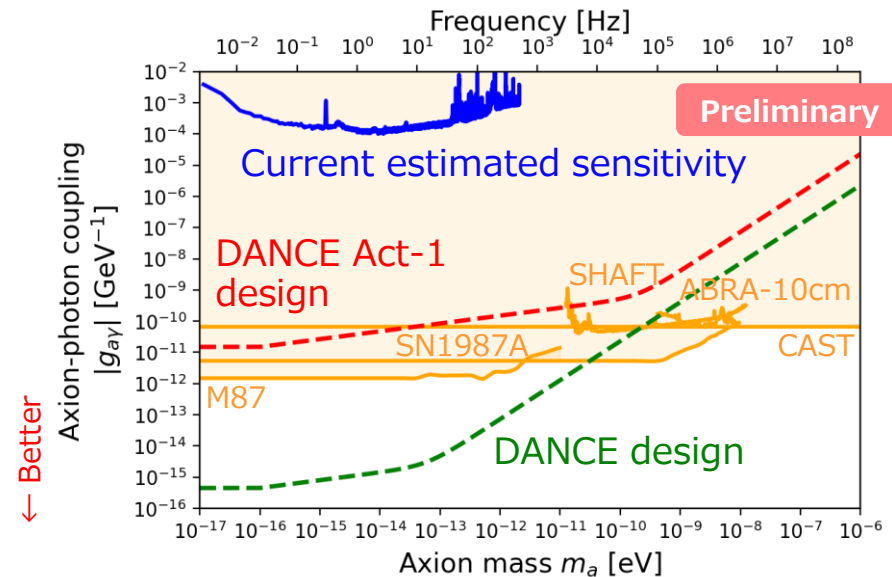


We built a prototype table-top exp. DANCE Act-1 @Univ. of Tokyo



We successfully obtained the first data for 12 days in May 2021

Data analysis is underway



Stay tuned for our first results & future improvement!!

Improvement plans of DANCE Act-1
Hiroki's poster @ Session 2 tomorrow