

Status report of B04 group

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Status of B04 DM search

- Astrophysical observation by XRISM
Launch is delaying to FY 2023
Do not worry ! not ideal, but as usual in space missions
- Solar axion search experiment
 - Development of dedicated design TES microcalorimeter with ^{57}Fe absorber
 - In-house development is progressing steadily
 - Improvement of Fe/Au electroplating procedure
 - Fabrication and test with ^{56}Fe TES
 - Multiplexed readout of TES array
 - A new refrigerator is planned in FY2023

Outline of the session

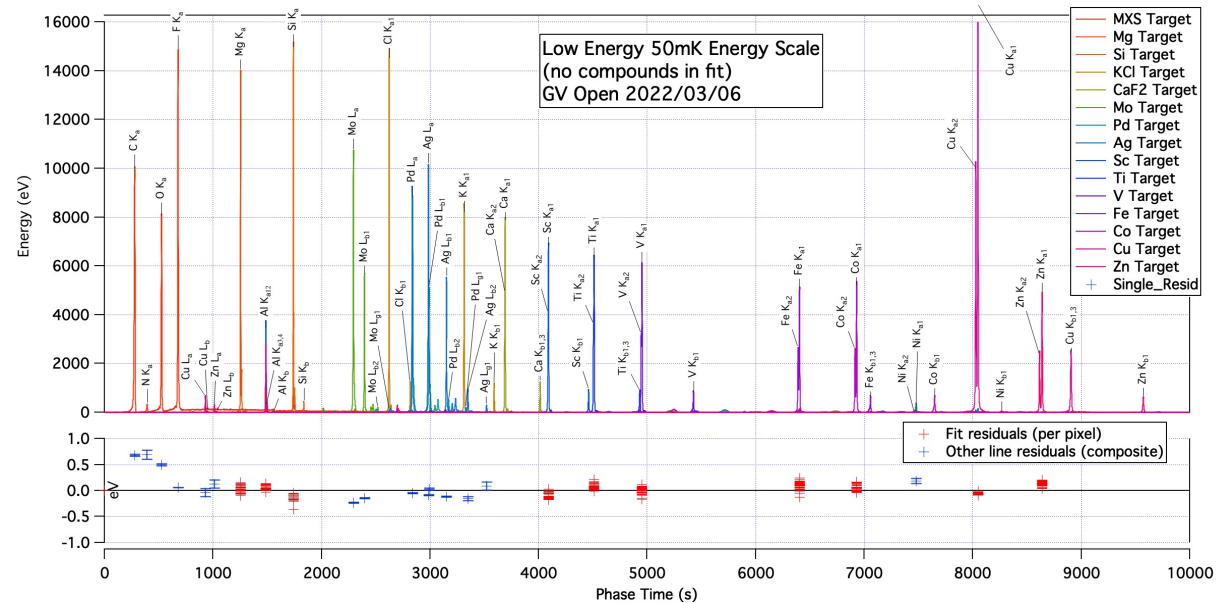
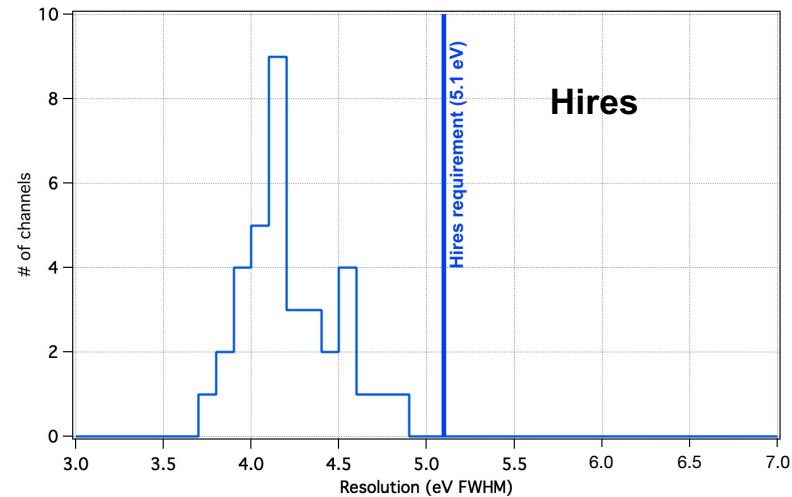
- Keita Tanaka (ISAS/U-Tokyo):
Structure optimization of TES microcalorimeter for 14.4-keV Solar axion search by electro-thermal simulation
- Takahiro Kikuchi (AIST):
Progress of the Microwave-Multiplexing for X-ray TES Calorimeters
- Yuta Yagi (ISAS/U-Tokyo):
Design of the Observational Setup for Solar Axion Search with TES Microcalorimeters -Practical Configuration and Sensitivity

XRISM will be launched soon by H-IIA



2023 Jan, vib-test @Tsukuba

Several calibration results are shown at SPIE in 2022 Jul.

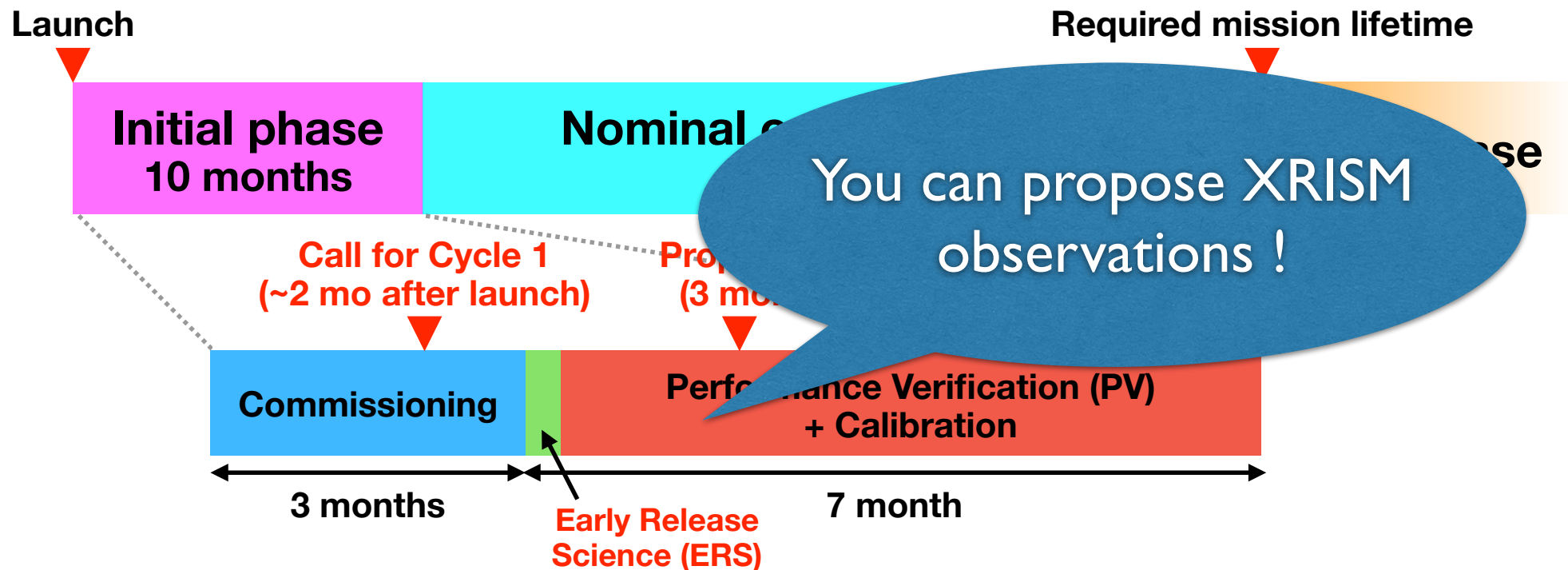


About Resolve, see review by Sato+ at arXiv:2303.01642

Ishisaki+ 2022

GO Schedule

General Observer (GO) Program



- ERS data released for proposers to know instrument performance.
- Calibration accuracy unassured. Highly discouraged to use for publication.

by Yamaguchi in Athena Barcelona meeting

List of PV targets are available at

<https://xrism.isas.jaxa.jp/research/proposer/approved/pv/index.html>