



Estimation of minimum detectable polarization for **X-Calibur** balloon-borne experiment.

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X-Calibur

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- ▶ Collaboration b/w JPN, U.S and SWE.
- ▶ Observe the **X-ray polarization**.
- ▶ launched from Antarctic in **Dec. 2018**.
- ▶ also planning to launch in **2021**.

[Hubrig, S. et al.]

Object: **Vela X-1**
High Mass X-ray Binary

Telescope

Polarimeter

Will be upgraded

How much improvement of detection efficiency?

Polarization

