

Research interests of Masahiro Tsujimoto



<https://www.isas.jaxa.jp/home/tsujimot>

1. Instrumentation for space-borne observatories.

--- all aspects of mission life cycle (concept, design, I&T, launch, operation, and calibration).

1. Chandra for X-ray CCD (2003-08)
2. Suzaku for X-ray CCD (2005-15).
3. ASTRO-H for X-ray μ -calorimeter spectrometer (2008–17).
4. XRISM for X-ray μ -calorimeter spectrometer (2017–24).
5. LiteBIRD for submm bolometer (2017–).

2. High-energy astrophysics w. X-ray & multi- λ obs. Recent topics are:

1. Revealing the nature of γ Cas analogs.
2. Investigation of non-equilibrium ionization in stellar flares.
3. X-ray Doppler tomography of high-mass X-ray binaries.
4. Radiative transfer modeling of accretion disk corona sources.
5. Hard X-ray phenomena of classical novae.

3. Thesis advisor for grad students.