

参考：よく使われるキーワード一覧  
(他のキーワードのみを使用しても問題ありません)

**M: 太陽**

Sun: flares  
Sun: activity  
Sun: magnetic fields  
Sun: chromosphere  
Sun: filaments, prominences  
Sun: radio radiation  
Sun: coronal mass ejections (CMEs)  
Sun: UV radiation  
sunspots

**N: 恒星・恒星進化**

supernovae: general  
supernovae: individual (... , ...)  
stars: evolution  
stars: mass-loss  
stars: AGB and post-AGB  
stars: winds, outflows  
stars: massive  
stars: activity  
binaries: close  
binaries: eclipsing  
ISM: supernova remnants  
circumstellar matter  
dust, extinction  
nuclear reactions, nucleosynthesis, abundances

**P1: 星・惑星形成（星形成）**

stars: formation  
stars: protostars  
stars: low-mass  
stars: massive  
stars: jets  
stars: variables: T Tauri, Herbig Ae/Be  
ISM: cloud  
ISM: molecules  
ISM: individual objects (... , ...)  
ISM: magnetic fields  
accretion, accretion disks  
astrochemistry

**P2: 星・惑星形成（原始惑星系円盤）**

protoplanetary disks  
planet-disk interactions  
planets and satellites: formation

planets and satellite: gaseous planets  
method: numerical

### P3: 星・惑星形成（惑星系）

planets and satellites: atmospheres  
planets and satellites: dynamical evolution and stability  
planets and satellites: formation  
planets and satellites: terrestrial planets  
planets and satellites: gaseous planets  
planets and satellites: oceans  
planets and satellites: individual (... , ...)  
gravitational lensing: micro  
techniques: radial velocities  
comets: individual(... , ...)  
minor planets, asteroids: individual(... , ...)

### Q: 星間現象

ISM: clouds  
ISM: molecules  
ISM: supernova remnants  
ISM: structure  
ISM: abundances  
Galaxy: center  
X-rays: ISM  
infrared: ISM  
cosmic rays  
dust, extinction  
acceleration of particles

### R: 銀河

galaxies: individual(... , ...)  
galaxies: spiral  
galaxies: ISM  
galaxies: star formation  
galaxies: starburst  
ISM: molecules  
methods: data analysis

### S: 活動銀河核

galaxies: active  
galaxies: individual(... , ...)  
galaxies: jets  
galaxies: nuclei  
quasars: individual(... , ...)  
quasars: absorption lines  
black hole physics  
magnetohydrodynamics (MHD)  
radiative transfer

relativistic processes  
techniques: interferometric  
techniques: high angular resolution  
radio continuum: galaxies

**T: 銀河団**

galaxies: cluster: general  
large-scale structure of universe  
X-rays: galaxies: clusters

**U: 宇宙論**

cosmology: theory  
cosmology: observations  
large-scale structure of universe  
cosmological parameters  
dark matter  
cosmic background radiation

**V1: 観測機器（電波）**

telescopes  
instrumentation: detectors  
techniques: interferometric  
techniques: spectroscopic  
space vehicles: instruments  
cosmic background radiation  
cosmology: observations  
radio lines: ISM  
polarization

**V2: 観測機器（光赤外・重力波・その他）**

instrumentation: adaptive optics  
instrumentation: spectrographs  
instrumentation: detectors  
instrumentation: high angular resolution  
instrumentation: miscellaneous  
instrumentation: photometers  
space vehicles: instruments  
telescopes  
techniques: high angular resolution  
techniques: image processing  
techniques: imaging spectroscopy  
methods: data analysis  
astronomical databases: miscellaneous  
surveys  
astrometry  
atmospheric effects  
infrared: general

### V3: 観測機器 (X 線・ $\gamma$ 線)

instrumentation: detectors  
instrumentation: high angular resolution  
instrumentation: polarimeters  
techniques: imaging spectroscopy  
space vehicles: instruments  
telescopes  
gamma-ray burst: general  
X-rays: general

### W: コンパクト天体

accretion, accretion disks  
stars: neutron  
stars: black holes  
stars: dwarf novae  
binaries: close  
X-ray: binaries  
black hole physics  
gravitational waves  
radiative transfer  
supernovae: general  
gamma-ray burst: individual(..., ...)  
hydrodynamics  
magnetohydrodynamics (MHD)  
neutrinos  
radiation: dynamics  
shock waves

### X: 銀河形成

galaxies: evolution  
galaxies: formation  
galaxies: high-redshift  
galaxies: active  
galaxies: nuclei  
galaxies: ISM  
galaxies: star formation  
galaxies: luminosity function, mass function  
galaxies: clusters: general  
galaxies: dwarf  
galaxies: interactions  
galaxies: starburst  
quasars: supermassive black holes  
quasars: general  
intergalactic medium  
methods: numerical