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Determination of the Intrinsic Velocity Field in M87 Jet

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X-Ray Flares of Gamma-Ray Bursts: Quakes of Solid Quark Stars?

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Summary:

To understand the X-ray flares of both long and short GRBs in a solid quark star model, in which starquake plays an essential role.

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Kompaneets equation for resonant cyclotron scattering and its application in pulsar magnetosphere

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Rotating property of Rotating Radio Transient 1819-1458

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X-ray properties of NLS1s with extreme narrow broad line width

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Evolving to type Ia supernovae with long delay time

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Global Comptonization in Hot Accretion Flow

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Progress of research on AGN in Urumqi Observatory

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25 Glitches Detected at Nanshan

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The hard X-ray emission from high energy sources

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Summary:

The hard X-ray observations will allow us to explore the specific properties of the high energy sources. Some open questions like if there exists blue-shifted 511 keV in jet and what is the component of the jet bulk etc. can be well addressed. Any features detected from the newly discovered unknown sources might be regarded as pieces to recover a puzzle of source nature.

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Timescale Resolved Spectroscopy of Cyg X-1

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Reprocessed emission from warped accretion discs induced by Bardeen-Petterson effect

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On state changes of BL Lac objects

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Study the origin of radiation with coupled accretion-jet model

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Waveform evolution of SGR 1806-20 during its 2004 giant flare

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Single radio pulse search with Nanshan 25m radio telescope at Urumqi Astronomical Observatory

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Constraining spins of supermassive black holes from TeV variability. III. variability due to the movement of TeV source around a rotating black hole

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A Survey of Spectral State Transitions in Galactic X-ray Binaries with X-ray Monitoring Observations

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Correlation between the kHz QPO Frequency and the X-ray Flux on the Timescales of Band-limited Noise in Neutron Star X-ray Binaries

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A systematical analysis for the origin of the X-ray emission from the hot spots and knots in active galactic nuclei

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Revising the fundamental plane at extremely low luminosities

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BL Lac objects and the Extragalactic Gamma-Ray Background

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Absorption of 10 GeV-1 TeV Gamma Rays by Radiation from the Broad-Line Region in 3C 279

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Numerical simulation of hot accretion flow with radiation

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A Model of Magnetically Induced Disc-Corona for Black Hole Binaries

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Swift/XRT observations and possible implications for GRB central engine

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Single Power-Law Decaying XRT lightcurves and Implications for the Unified Origin of the X-rays

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Low-mass AGN at high accretion rates

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The Dependence of Spectral State Transition and Disk Truncation on Viscosity Parameter α

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Finding black holes in the distant universe with LAMOST quasar survey

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Steady state solution of warped accretion disks

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