The First PANDA Symposium on Products of Astrophysical Outflows

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Book of Abstracts

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Studies on the Afterglow from the Receding Jet of Gamma-Ray Burst

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Neutron Star magnetic fields in the binary systems

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Timing irregularity of RRAT1819-1458

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Molecular shells associated with supernova remnants

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Jet Production and State Transitions in Black Hole X-ray Binaries

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Magnetic massive stars as magnetar progenitors

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

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Astrophysical Environment and HFQPO of 3:2:1 Ratio

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CO lines in a water fountain star.

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Summary:

First detection of thermal CO lines in a water fountain star
opens the door to
explore jet launching mechanism in evolved stars.

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The Remarkable Radio Tail of Pulsar J1509-5850

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Measuring Expansion Rates of Supernova Remnants with Chandra and XMM-Newton

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Observations of the Prompt High-Energy Emission of Gamma-Ray Bursts with the Fermi Gamma-ray Space Telescope

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

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Supernova 1987A at Age 22

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Stochastic Electron Acceleration in Shell-Type Supernova Remnants

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Discovery of supperbubbles in nearby disk galaxies

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Distance and Progenitor of Historical Galactic SNR Tycho

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Molecular environment of semicircular composite SNR 3C396

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The Seyfert AGN RX J0136.9-3510 and the Spectral State of Super Eddington Accretion Flows

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Galactic Winds and Bubbles

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The Chandra View of DA 530: A Subenergetic Supernova Remnant with a Pulsar Wind Nebula?

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Fitting the kinematics in the pc-scale jet of S5 1803+784 by the non-ballistic superluminal model

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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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Molecular gas environment of SNR W49B

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Tools to Dissect Supernova Remnants Observed with Chandra

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Constraints on the radiation origin of GRB prompt emission by Fermi LAT observations

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Cosmological evolution of interacting phantom (quintessence) model in Loop Quantum Gravity

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A Study of the X-ray Dust Scattering Halo

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Timescale Resolved Spectroscopy

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A comparison of the iron ka emission lines of narrow-line and broad-line

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Optical Fe II and Hbeta Emission Lines in Quasars: Evidence for Inflow as an Intermediate-line Region

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Time dependent accretion flow with star formation

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AGN feedback and its cosmological effects

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Measuring the prompt emission regions of gamma-ray bursts

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Lecture: Good talks for everyone!

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The Study of General Relativistic Proto-neutron Star Winds in Strong Magnetic Fields

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