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Book of Abstracts

Contents

Relationship between jet production and disk accretion	1
Tidal Disruption of Stellar Objects by Hard Supermassive Black Hole Binaries	1
The X-ray Origin in Quiescent Black Hole X-ray Binaries	1
test	1
Constraints on the Mass Accretion Rate of Neutrino-cooled Disks in Gamma-Ray Bursts	1
An accretion disc model for quasar optical variability	1
Swift/BAT observations for X-Ray Flashes	2
The Compact Structure of Radio-Loud Broad Absorption Lines Quasars	2
致密星体 X 射线准周期振荡和毫秒脉冲星自旋研究最近进展	2
A toy model for HFQPOs in XRBs	2
A Toy Model for 3:2 HFQPO Pairs in Black Hole Binaries XTE J1550-564 and GRO J1655-40	3
A simplified model of jet powers from active galactic nuclei	3
p-free 模型和 MCD+PL 模型在 ULXs 中的比较	3
Study the X-ray Dust Scattering Halo of Cyg X-1 with a Cross-correlation Method	3
Hard-to-Soft State Transitions in Bright Neutron Star and Black Hole X-Ray Binaries	3
Broad-band spectral energy distribution of Microquasars	4
A simplified global solution for an advection-dominated accretion flow	4
simulating of ADAF	4
An H-beta line evolution from NLS1 to normal BLS1	4
The rapid X-ray Variability in Scorpius X-1	5
Further studies on the spin frequencies and kHz QPOs of Millisecond Pulsars in LMXBs	5
A Modified Synchrtron Model for Knots in the M87 Jet	5
The exact solution for a shell collapsing towards a pre-existing black hole	5

Simulations on millimeter and sub-millimeter emission from Sagittarius A*	6
The variability of Sagittarius A* at 3 millimeters	6
Early Growth of Massive Black Holes in Quasars	6
Inner cool disks in the low/hard state of accreting black holes	6
Spins of the supermassive black hole in M87: new constraints from TeV observations . .	7
The coronae/disk correlation in a blue AGN sample	7
GRB-supernova connection and their high-energy emission	7
Similar X-ray variabilities from the Sun and accretion disks	7
HXMT User and Science Data Center	7
FeII and Hbeta Emission-lines of SDSS Quasars:New Clues to BLR Geometry and Kinematics	8

0

Relationship between jet production and disk accretion

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1

Tidal Disruption of Stellar Objects by Hard Supermassive Black Hole Binaries

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2

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3

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4

Constraints on the Mass Accretion Rate of Neutrino-cooled Disks in Gamma-Ray Bursts

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5

An accretion disc model for quasar optical variability

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6

Swift/BAT observations for X-Ray Flashes

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7

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8

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9

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10

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11

A simplified model of jet powers from active galactic nuclei

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13

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14

Study the X-ray Dust Scattering Halo of Cyg X-1 with a Cross-correlation Method

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15

Hard-to-Soft State Transitions in Bright Neutron Star and Black Hole X-Ray Binaries

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16

Broad-band spectral energy distribution of Microquasars

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17

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18

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19

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20

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21

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22

A Modified Synchrtron Model for Knots in the M87 Jet

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23

The exact solution for a shell collapsing towards a pre-existing black hole

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24

Simulations on millimeter and sub-millimeter emission from Sagittarius A*

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Summary:

Our best-fit model can reproduce the spectrum and polarization of Sgr A* in millimeter and shorter wavelengths and further predicts distinct LP and CP at ~ 1 THz. The model constraints the inclination angle of the MRI-driven torus as $40^\circ \pm 10^\circ$, and the position angle $120^\circ \pm 30^\circ$.

25

The variability of Sagittarius A* at 3 millimeters

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26

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27

Inner cool disks in the low/hard state of accreting black holes

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28

Spins of the supermassive black hole in M87: new constraints from TeV observations

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29

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30

GRB-supernova connection and their high-energy emission

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31

Similar X-ray variabilities from the Sun and accretion disks

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32

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33

FeII and Hbeta Emission-lines of SDSS Quasars: New Clues to BLR Geometry and Kinematics

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