

The 3rd PANDA Symposium on Time Domain Astronomy and first results from Insight-HXMT

Monday 18 June 2018 - Friday 22 June 2018

Chengdu(成都), China

Conference Scientific Programme

The program of the PDF version is available here [pdf]. DAY 1, 18 June: Chair:

KOUVELIOTOU Chryssa 08:45-09:00 OPENING
I/15m ZHANG Shuang-Nan 09:00-09:30 Introduction to
Insight-HXMT I/30m ZHANG Shuang-Nan

09:30-09:45 Insight-HXMT science operations
C/15m SONG Liming 09:45-10:00 Background of
Insight-HXMT C/15m LIAO Jinyuan

10:00-10:15 Insight-HXMT Galactic scanning survey
C/15m GUAN Ju 10:15-10:45 BREAK, group photo and posters 10:45-11:00 The
research progress of timing of black hole source with Insight-HXMT and dead time effect
of Insight-HXMT C/15m QU Jinlu 11:00-11:15 Insight -HXMT
observations of the New Black Hole Candidate MAXI J1535-571: timing
analysis C/15m HUANG Yue 11:15-11:30
The CRSF observed in GRO J1008-57 by HXMT C/15m GE Mingyu

11:30-11:45 Insight-HXMT views CRSF of Her X-1 C/15m
XIAO Guangcheng 11:45-12:00 A Comparison Study of LFQPOs in Neutron-Star and
Black-Hole Low-Mass X-ray Binaries C/15m BU Qingcui

12:00-13:30 LUNCH and posters Chair: TBD 13:30-13:45 A Systematic
Analysis of the Phase Lags Associated with the Type-C Quasi-periodic Oscillation in GRS
1915+105 C/15m ZHANG Liang 13:45-14:00 Timing
analysis of Swift J1658.2-4242's outburst in 2018 with
Insight-HXMT C/15m XIAO Guangcheng

14:00-14:15 Insight-HXMT observations on the timing behavior of new transient MAXI
J1820+070 C/15m MA Xiang 14:15-14:30
Insight-HXMT views to type-I & type-II X-ray bursts C/15m CHEN
Yupeng 14:30-14:45 The frequency and flux evolution in the Crab pulsar's largest
glitch C/15m GE Mingyu 14:45-15:00 The distributions of the spin period and
spin-down power among the MSPs in radio, X-ray and
gamma-ray C/15m WANG De-Hua 15:00-15:15 From
X-Ray to Radio: Transitional Millisecond Pulsar by the plasma cut-off
frequency C/15m ZHANG Chengmin

15:15-15:30 Pulsar searches of Fermi sources with FAST
C/15m Wang Pei 15:30-16:00 BREAK and posters 16:00-16:30 The radiation
mechanism for fast radio bursts I/30m KUMAR Pawan

16:30-17:00 Highlight of FAST
I/30m LI Di 17:00-17:15 The application of direct demodulation techniques to
simulated FAST multi-beam drift scan observations C/15m
WANG Yuanming 17:15-17:30 Multi-resolution and Time-dependent Direct Demodulation
Method C/15m

ZHOU Jianfeng 17:30-18:00 Fast wide-field imaging of the radio transient
sky I/30m WIJERS Ralph DAY 2, 19 June:

Gravitational-wave sources and wide-field surveys Chair: TBD 08:30-09:00 Models
for electromagnetic counterparts to GW170817 I/30m DAI Zigao

09:00-09:30 Observations of Gamma-Ray Burst (GRB) and Gravitational Wave
Electromagnetic counterpart (GW EM) by Insight-HXMT I/30m XIONG Shaolin

09:30-10:00 The EM counterpart for GW 170817 from Gamma-rays to Radio
I/30m PIRAN Tsvi 10:00-10:30 BREAK and posters 10:30-11:00 Lessons
from GRB 170817A / GW 170817 — the First Gravitational Wave Detection of a Binary
Neutron Star Merger I/30m GRANOT Jonathan 11:00-11:30 Macronova
models I/30m HOTOKAZEKA Kenta 11:30-12:00
Macronova/Kilonova and the EM counterpart of GW170817 I/30m TOMINAGA Nozomu

12:00-13:30 LUNCH and posters Chair: TBD 13:30-14:00 Chandra X-ray
Observations of GW170817 and Implications for Post-Merger
Models I/30m RUAN John

14:00-14:30 Jet in Electromagnetic Counterparts to GW170817? I/30m
IOKA Kunihiro 14:30-15:00 GRB-macronova
connection I/30m JIN Zhipin 15:00-15:30

BREAK and posters 15:30-15:45 A new method to test the WEP using the time delay of
GRBs or GW-EM event C/15m YU Hai

15:45-16:00 Prompt Emission of Gravitational Wave GRB 170817A and Beyond
C/15m ZHANG Binbin 16:00-16:15 Insight-HXMT optical transient
follow-up C/15m WANG Xianggao 16:15-16:45
MAXI on ISS watching the X-ray sky I/30m MIHARA

Tatehiro 16:45-17:15 The optical transient sky (ZTF)
I/30m SINGER Leo 17:15-17:45 The LAMOST Galactic
Spectroscopic Surveys I/30m LIU Xiaowei DAY 3, 20 June:
Free Discussions for collaboration DAY4, 21 June: AGN, TDEs, and GRBs Chair: TBD

08:30-09:00 Understanding the Multi-wavelength Spectral Variability of
super-Eddington NLS1s I/30m JIN
Chichuan 09:00-09:30 Time-domain astrophysics of galactic nuclei in radio to
submillimetre I/30m WANG
Daniel 09:30-10:00 Observational Studies of Multi-wavelength Variability from
Accretion Flow in AGN I/30m NODA Hirofumi

10:00-10:30 BREAK and posters 10:30-11:00 Changing look quasars: causes and
implications I/30m WARD Martin 11:00-11:15 Power of long-term
evolution: a case study of LLAGN NGC 7213 C/15m XIE Fuguo 11:15-11:30
Supersoft AGNs: massive counterparts to the X-ray binaries at high/soft
state? C/15m SHU Xinwen

11:30-11:45 On the multi-wavelength properties of several Gamma-ray detected
Narrow-line Seyfert 1 galaxies C/15m YANG Hui

11:45-12:00 Study the X-ray variability of Active Galactic Nuclei
C/15m PAN Haiwu 12:00-13:30 LUNCH and posters Chair: TBD 13:30-14:00
Dissipation and emission mechanisms in prompt Gamma Ray Bursts - Implications of
revised spectral analysis I/30m BENIAMINI Paz 14:00-14:15
Search for IMBHs via GW and simultaneous / delayed EM transients during an
IMRI C/15m SHEN Rong-feng 14:15-14:30
Multi-epoch analysis of X-ray relativistic reflection on accretion disk around
supermassive black hole in NGC 5506 C/15m SUN Shangyu

14:30-15:00 New Insights into Broadband Gamma-Ray Burst Modeling
I/30m VAN DER HORST

Alexander 15:00-15:30 BREAK

and posters 15:30-16:00 Statistics of GRBs: Implications to GRB observations
of Insight-HXMT

I/30m LIANG En-Wei 16:30-17:00 Prompt emission from Gamma-Ray
Bursts I/30m NAVA Lara 17:00-17:15 Long-term
Brightening of Multiband Afterglows of GW170817/ GRB170817A as Being Due to a Delayed
Energy Injection C/15m LI Bing 17:15-17:30 Observational evidence
for mass ejection accompanying short gamma ray
bursts C/15m MOHARANA Reetanjali

17:30-17:45 Radiation Mechanism of Relativistic Jets from TDEs C/15m

LU Wenbin 17:45-18:00 Engine-powered optical
transients C/15m WANG Lingjun 19:00-20:00
Banquet DAY 5, 22 June: Compact objects and new missions Chair: TBD

08:30-08:45 X-ray quasi-periodic oscillations in Lense-Thirring precession
model C/15m YOU Bei

08:45-09:00 A comprehensive study of outbursts of low mass X-ray binary transients:
the influence of donors C/15m LIN Jie 09:00-09:15
Partial Accretion in the Propeller Stage of Aql X-1 C/15m

GUNGOR Can 09:15-09:30 Accretion flow geometry from observational evidence of
LMXBs C/15m PAL Partha Sarathi 09:30-09:45 Burst probe to XRB accretion and
Insight-HXMT observation C/15m ZHANG Shu 09:45-10:00 Magnetar-like outburst
from high-magnetic field radio/gamma-ray pulsar PSR
J1119-6127 C/15m WANG Huihui 10:00-10:30 BREAK and

posters 10:30-10:45 The hour-timescale GeV flares of PSR B1259-63 in
2017 C/15m TAM Pak Hin 10:45-11:00 Bow shock emission model for the
white dwarf pulsar AR Scorpii C/15m HUANG Yongfeng 11:00-11:15 The
nature of CG X-1: An ultraluminous Wolf-Rayet black hole binary in the Circinus
galaxy? C/15m QIU Yanli 11:15-11:30
Characterizing the Variability of the Soft X-ray State in Black Hole
Transients C/15m MAO Dongming
11:30-11:45 Spectral evolution and super Eddington accretion of the new Black hole
candidate MAXI J1535-571 during its 2017 outburst C/15m TAO Lian 11:45-12:00
Two bright minioutbursts and the 12-year long activity of the black hole candidate
Swift J1753.5-012 C/15m ZHANG Guobao
12:00-13:30 LUNCH and posters Chair: TBD 13:30-13:45 Leaked GeV CRs from a
broken shell: Explaining 9 years Fermi-LAT data of SNR
W28 C/15m CUI Yudong 13:45-14:00 SN
2002cx-like and SN Ia-CSM objects originate from single-degenerate systems with CONe
WDs C/15m MENG Xiangcun 14:00-14:15 Identifications of
Faint X-ray Sources in the Globular Cluster M3 C/15m ZHAO Yue 14:15-14:30
Decomposition of the Galactic Ridge X-ray Emission via X-ray Line
Spectroscopy C/15m XU Xiaojie
14:30-15:00 Japanese recent and future X-ray satellites: Suzaku, Hitomi, and
XARM I/30m TAKAHASHI Hiromitsu
15:00-15:30 BREAK and posters 15:30-16:00 Einstein Probe: a lobster-eye
telescope for monitoring the X-ray sky
I/30m YUAN Weimin 16:00-16:15 A next-generation Compton telescope -
The Compton Spectrometer and Imager (COSI)
C/15m CHANG Hsiang-kuang 16:15-16:30 Multi-channel Photometric Survey Telescope
— Mephisto C/15m CHEN Bingqiu 16:30-16:45 Background Simulations of
WXT aboard the Einstein Probe Mission
C/15m ZHANG Chen 16:45-17:00 eXTP mission overview and
status C/15m XU Yupeng 17:00-17:15 HERD mission
overview and status C/15m DONG Yongwei
17:15-17:30 In-orbit Performance of the Gamma-ray Burst Polarimeter
POLAR C/15m SUN Jianchao
17:30-17:45 In-orbit calibration status of Insight-HXMT C/15m
LI Xiaobo 17:45-18:00 CLOSING