

The 3rd PANDA Symposium, Chengdu, 18-22 June 2018

Time Domain Astronomy and First Results from Insight-HXMT

PROGRAMME

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 | <i>BREAK, group photo and posters</i> | | |
| 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 | <i>LUNCH and posters</i> | | |
| 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 | <i>BREAK and posters</i> | | |
| 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 | <i>BREAK and posters</i> | | |
| 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 | <i>LUNCH and posters</i> | | |

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 Kunihito |
| 14:30-15:00 | GRB-macronova connection | I/30m | JIN Zhipin |
| 15:00-15:30 | <i>BREAK and posters</i> | | |
| 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 |
| <i>10:00-10:30</i> | <i>BREAK and posters</i> | | |
| 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 |
| <i>12:00-13:30</i> | <i>LUNCH and posters</i> | | |
| 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 |
| <i>15:00-15:30</i> | <i>BREAK and posters</i> | | |
| 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 |
| <i>17:45-18:00</i> | <i>CLOSING</i> | | |