



- RAY ASTRONOMY 2019

Current Challenges and New Frontiers in the Next Decade

8-13 September 2019
CNR/INAF Research Area, Bologna, Italy

Contribution ID: 328

Type: **Poster**

Progress in timing properties of compact X-ray binaries by SIGHT-HXMT observation

Friday, 13 September 2019 15:52 (2 minutes)

The Hard X-ray Modulation Telescope (Insight-HXMT) is China's first astronomical satellite and launched on 15th June 2017. Thanks to its large effective area at high energy detector (up to 250 keV), some important achievements in X-ray binaries have been obtained. Here we only show a few interesting timing results: the high energy QPO up to 250 keV is discovered in black hole transient MAXI J1820+070, the kHz QPO in Sco X-1 extend to > 30 keV, and so on. More and detail results can see the poster by Huang and the reports by S N Zhang and S Zhang in this conference.

Topic

Compact and diffuse sources in galaxies and in the Galactic Center

Affiliation

Institute of High Energy Physics, Chinese Academy of Sciences

Primary author: Dr QU, Jianlu (Institute of High Energy Physics, Chinese Academy of Sciences)

Co-author: HUANG, Y. (Institute of High Energy Physics, Chinese Academy of Sciences)

Presenter: Dr QU, Jianlu (Institute of High Energy Physics, Chinese Academy of Sciences)

Session Classification: POSTER SESSION