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The contribution of Insight-HXMT to constraining the possible X/gamma emission of extragalactic FRB sources

The first Chinese X-ray mission, Insight Hard X-ray Modulation Telescope (Insight-HXMT), carries on board three collimator-based instruments, which altogether cover the range 1-250 keV. In addition, the High-Energy (HE) instrument works as an open-sky monitor in the 0.2-3 MeV. In this talk I report two main contributions of Insight-HXMT: a) thanks to the unique combination of large effective area and sub-ms resolution of HE, we constrained the possible simultaneous emission of 39 well localised FRBs, excluding associations with typical gamma-ray bursts; b) also in the context of coordinated multiwavelength campaigns, we constrained possible high-energy activity of periodic repeater FRB20180916B throughout the different phases of radio activity, excluding the possible occurrence of energetic magnetar giant flares.

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