



Flares from a new Integral hard X-ray source, IGR J17407-2808, likely associated with the ROSAT source SBM 10

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Publication date:
2004

Document Version
Publisher's PDF, also known as Version of record

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Citation (APA):

Kretschmar, P., Mereghetti, S., Hermsen, W., Ubertini, P., Winkler, C., Brandt, S., & Diehl, R. (2004). Flares from a new Integral hard X-ray source, IGR J17407-2808, likely associated with the ROSAT source SBM 10. The Astronomer's telegram No. ATel #345 <http://www.astronomerstelegam.org/?read=345>

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on 14 Oct 2004; 14:14 UT

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Subjects: X-ray, Gamma Ray, Transient

Referred to by ATel #: [3685](#)

On Oct 9, 2004 Integral observed hard X-ray flares from a source located at R.A.=17h 40.7m, Dec.=−28s 08' (J2000, error radius 2.3').

This new hard X-ray source, IGR J17407-2808, is positionally coincident with a faint ROSAT source listed as no. 10 in the catalogue of sources in the Galactic Center region by [Sidoli, Belloni & Mereghetti 2001, A&A 368, 835](#) and as 2RXP J174040.9-280852 in the [ROSAT Source Browser](#). No other observations of [SBM2001] 10 have been published up to date.

The flares were observed with the IBIS instrument in the 20-60 keV energy range, starting at MJD 53287.6310 and over a timespan of 2000 seconds finishing in a strong flare at MJD 53287.6327. Before and after this time period the source was not detected.

The last flare, with peak fluxes of 0.8 ± 0.1 Crab and 0.6 ± 0.1 Crab in the energy ranges 20-40 keV and 40-60 keV respectively, triggered an automatic alert message of the Integral Burst Alert System (IBAS Alert #2010) which led to the discovery of the source (Gotz et al., GCN Circ. #2793). The source was outside the FOV of the JEM-X and OMC monitor instruments during this flare.

Note that the position of J17407-2808 is inconsistent with that of the X-ray burster SLX 1737-282 [AX J1740.7-2818] (in't Zand et al. 2002, A&A 389, L43), which is just ~11 arcmin away. The correct Integral attitude is confirmed by other bright sources in the FOV.

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