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## INTEGRAL Galactic Bulge monitoring detects activity from XMMU J174445.5-295044 with JEM-X

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Subjects: X-ray, Gamma Ray, Transient

Referred to by ATel #: [4924](#)



During INTEGRAL Bulge monitoring (ATel #[438](#); Kuulkers et al. 2007, A&A, 466, 595) observations performed on March 23, 2011, between 6:52 and 10:33 (UTC), the twin X-ray monitor JEM-X detected an X-ray transient source at the position:  
 RA= 266.20 (17h 44m 48s)  
 DEC=-29.85 (-29d 51' 00")  
 (J2000) with an uncertainty of 1.3 arcmin at 95% confidence level.  
 The Galactic coordinates are: (l, b)= (359.13, -0.32).

The source is detected at 5  $\sigma$  between 10-25 keV (for 12.3 ks effective exposure), and measured at a flux of  $13 \pm 3$  mCrab ( $1.5 \pm 0.3 \times 10^{-10}$  erg/cm<sup>2</sup>/s). It is not detected in other energy bands, leading to a 3  $\sigma$  upper limit of 5 mCrab between 3-10 keV, which suggests a large amount of absorption. The source is not detected by the IBIS/ISGRI instrument with 5  $\sigma$  upper limits of about 5 mCrab and 10 mCrab between 18-40 keV and 40-100 keV, respectively.

Both the source position and its high absorption are consistent with the X-ray transient XMMU J174445.5-295044 reported by Heinke et al. 2009, ApJ 701, 1627.

INTEGRAL will continue to monitor the Galactic bulge on March 29 and 31, and observation results from near real time data will be made available at:

<http://integral.esac.esa.int/BULGE/index.html>

Multi-wavelength follow-up observations are encouraged to constrain the nature of this transient.

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