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INTEGRAL detection of the X-ray outburst of SAX J1747.0-2853

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We report the detection with INTEGRAL of a new outburst of the recurrent BeppoSAX hard X-ray transient SAX J1747.0-2853, an emitting type I X-ray bursts neutron star binary.

The source was detected at RA=266.76 DEC=-28.89 (J2000), 30 arcsec precision, for a total exposure of 13880 s between March 20 18:16:57 and March 21 15:12:33 as part of the Galactic Center Deep Exposure.

The source was detected with a flux of 240 mCrab in the 3-10 keV band of JEMX1 and up to 92 mCrab in the 10-30 keV band.

We confirm thus the RXTE/PCA detection reported by Markwardt et al. in ATEL #255.

In addition, we report a detection of only 8.5 mCrab in the 17-45 keV band in ISGRI, which, combined with the low flux in the 10-30 keV of JEMX indicates the source being in high state with softness in the emission.

The source had not been detected so far during any of the previous core program observation of INTEGRAL with the source in the field of view. Last outburst was in 2001 september and the source has never been detected brighter than 100 mCrab with BeppoSAX.