A new hard X-ray transient discovered by INTEGRAL: IGRJ17498-2921

INTEGRAL discovered a new hard X-ray transient, IGR J17498-2921, during the observations performed from 2011-08-11 22:45 to 2011-08-12 05:54 UTC. The source is detected in the IBIS/ISGRI mosaic at a preliminary significance level of 11 and 9 sigma in the 20-40 keV and 40-80 keV energy bands, respectively. The corresponding fluxes are 19+/-2 and 23+/-3 mCrab (68% c.l., only statistical). The best determined source position is at RA=17:49:49; DEC=-29:21:14 (J2000) with a 90% confinement radius of 2.3 arcmin. The IBIS/ISGRI spectrum (exposure time 15.9 ks) can be well described by a a power-law with photon index 1.9+/-0.4 (90% c.l.). The estimated 20-100 keV flux from the spectral fit is ~3.4e-10 erg/s/cm². Unfortunately, IGR J17498-2921 was located at the border of the JEM-X field of view (FOV) and thus we can not report yet on its detection at low energy (2-25 keV). Further INTEGRAL observations of the FOV around IGR J17498-2921 are planned for the next days.

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