



UvA-DARE (Digital Academic Repository)

INTEGRAL detection of hard X-ray emission from MAXI J1828-249

Filippova, E.; Kuulkers, E.; Sanchez-Fernandez, C.; Wilms, J.; Grinberg, V.; Cadolle-Bel, M.; Chenevez, J.; Wijnands, R.; Del Santo, M.; Tarana, A.; Capitanio, F.; Bozzo, E.; Ferrigno, C.; Rodriguez, J.; Paizis, A.; Beckmann, V.; Pottschmidt, K.; Watanabe, K.

Publication date

2013

Document Version

Final published version

Published in

The astronomer's telegram

[Link to publication](#)

Citation for published version (APA):

Filippova, E., Kuulkers, E., Sanchez-Fernandez, C., Wilms, J., Grinberg, V., Cadolle-Bel, M., Chenevez, J., Wijnands, R., Del Santo, M., Tarana, A., Capitanio, F., Bozzo, E., Ferrigno, C., Rodriguez, J., Paizis, A., Beckmann, V., Pottschmidt, K., & Watanabe, K. (2013). INTEGRAL detection of hard X-ray emission from MAXI J1828-249. *The astronomer's telegram*, 5476. <http://www.astronomerstelegam.org/?read=5476>

General rights

It is not permitted to download or to forward/distribute the text or part of it without the consent of the author(s) and/or copyright holder(s), other than for strictly personal, individual use, unless the work is under an open content license (like Creative Commons).

Disclaimer/Complaints regulations

If you believe that digital publication of certain material infringes any of your rights or (privacy) interests, please let the Library know, stating your reasons. In case of a legitimate complaint, the Library will make the material inaccessible and/or remove it from the website. Please Ask the Library: <https://uba.uva.nl/en/contact>, or a letter to: Library of the University of Amsterdam, Secretariat, Singel 425, 1012 WP Amsterdam, The Netherlands. You will be contacted as soon as possible.

UvA-DARE is a service provided by the library of the University of Amsterdam (<https://dare.uva.nl>)

The Astronomer's Telegram

Post | Search | Policies
Credential | Feeds | Email

23 Jun 2014; 11:01 UT

Outside

GCN
IAUCs

Other

ATel on [Twitter](#) and [Facebook](#)
ATELstream
ATel Community Site
MacOS: [Dashboard Widget](#)

This space for free for your conference.

IAU Symposium 305
Polarimetry: From the Sun to
Stars and Stellar
Environments
Costa Rica
Nov 30-Dec 5 2014

[[Previous](#) | [Next](#) | [ADS](#)]

INTEGRAL detection of hard X-ray emission from MAXI J1828-249

ATel #5476; *E. Filippova (ISDC, Switzerland), E. Kuulkers, C. Sanchez-Fernandez (ESAC, Spain), J. Wilms, V. Grinberg (ECAP, Germany), M. Cadolle-Bel (TUM, Germany), J. Chenevez (DTU, Denmark), R. Wijnands (UVA, Netherlands), M. Del Santo, A. Tarana, F. Capitanio (INAF/IAPS, Italy), E. Bozzo, C. Ferrigno (ISDC, Switzerland), J. Rodriguez (CEA, France), A. Paizis (INAF/IASF, Italy), V. Beckmann (APC, France), K. Pottschmidt (CRESST-UMBC/NASA-GSFC, USA), K. Watanabe (FGCU, USA)*

on 16 Oct 2013; 16:27 UT

Distributed as an Instant Email Notice Transients

Credential Certification: *E. Bozzo (enrico.bozzo@unige.ch)*

Subjects: X-ray, Binary, Black Hole, Neutron Star, Transient

Referred to by ATel #: [5478](#), [5479](#), [5482](#), [5483](#), [5484](#), [5559](#), [5886](#)



The new transient source MAXI J1828-249 (Atel #[5474](#)) was detected by the IBIS/ISGRI on-board INTEGRAL during the observations performed in the direction of the Galactic Center (from 2013 October 15 at 18:03 to 2013 October 16 at 09:10 UTC).

The improved source position determined by ISGRI is at: RA= 277.23 deg, Dec=-25.03 deg (J2000) with a 90% confinement radius of 1.3 arcmin.

In the ISGRI mosaic the source is detected at a significance level of 22.4 sigma in the 20-40 keV energy band and 18.4 sigma in the 40-80 keV energy band (effective exposure time 33.6 ks). The corresponding fluxes were of 45+/-2 mCrab and 48+/-2 mCrab.

The preliminary analysis of the ISGRI data revealed that the source spectrum is well described by a power-law model with photon index of ~1.7. From the spectral fit we estimated a flux of 3.3E-10 (4.0E-10) ergs/cm^2/s in the 20-40 keV (40-80 keV) energy band. The spectrum measured by ISGRI does not favour the hypothesis of MAXI J1828-249 being a black-hole candidate in the soft state as reported in Atel #[5474](#).

The source was outside the JEM-X field of view during the entire observation.

Further observations with INTEGRAL in the direction of MAXI J1828-249 are already planned for the next days.

Related

- 5911 [A radio counterpart to the X-ray transient MAXI J1828-249 detected with the ATCA](#)
- 5886 [Swift/XRT Observation of MAXI J1828-249 in the Hard State](#)
- 5559 [MAXI J1828-249: REM optical/NIR observations](#)
- 5492 [INTEGRAL/IBIS and Swift/XRT follow up softening of MAXI J1828-249](#)
- 5484 [Radio non-detection of MAXI J1828-249](#)
- 5483 [MAXI/GSC detection of a possible hard-to-soft state transition in the initial phase of the outburst and further brightening of MAXI J1828-249](#)
- 5482 [MAXI J1828-249: GROND observations of the optical/NIR counterpart](#)
- 5479 [MAXI J1828-249: Swift UV counterpart and XRT spectral fit](#)
- 5478 [MAXI J1828-249: Swift detection and localization](#)
- 5476 [INTEGRAL detection of hard X-ray emission from MAXI J1828-249](#)
- 5474 [MAXI/GSC discovery of a new soft X-ray transient MAXI J1828-249](#)

[[Telegram Index](#)]

R. E. Rutledge, Editor-in-Chief

Derek Fox, Editor

rrutledge@astronomerstelegram.org

dfox@astronomerstelegram.org

Mansi M. Kasliwal, Co-Editor

mansi@astronomerstelegam.org