Curriculum vitae et studiorum Fiamma Capitanio

Actual position: Staff Researcher at the National Institute for Astrophysics (INAF) IAPS, Via del Foso del Cavaliere, 100, 00133 Rome Italy
e-mail: fiamma.capitanio@iaps.inaf.it
Tel. 

Education

28 June 2007: Ph.D. School of Physics and Astronomy, University of Southampton (Southampton, UK)
Title: Transient Black Hole Candidates observed with INTEGRAL
Supervisor: Dr.
22th February 2001: Master Degree (Italian “Laurea”) at the University of Rome “La Sapienza”
Thesis Title: “Studio dell’associazione radiativa tra ioni C+ e idrocarburi policiclici aromatici, tramite tecniche di risonanza ionica ciclotronica e sua rilevanza nel mezzo interstellare”
Supervisors: Prof. (Univ. di Roma “La Sapienza”); Dr. (CNR-ICN)

Employment:

1st March 2010- present Staff Researcher (permanent position) at INAF-IAPS, Rome, Italy
2nd November 2004-28th February 2010: Staff Researcher (time-limited contract) at INAF-IASF, Rome, Italy
1st June 2002-31th October 2004 Research Fellow at CNR-IASF Rome, Italy
1st May 2001-1st May 2002 Employed at “Telespazio Rome Control Centre” of the Beppo-SAX Satellite as Mission planner

Languages

Italian (mother tongue), English (professional), French (intermediate)

Principal Research Interests

- Low-mass X-ray binaries, in particular: physics of the accretion disk, spectral and timing evolution of transient black hole candidates/microquasars; weakly magnetised accreting neutron stars.
- High mass gamma-ray binaries
- X-ray/gamma-ray surveys of the sky.

Professional responsibilities
• Mission planner of the BappoSAX mission (May 2001-May 2002)
• Member of the “IBIS survey team”
• Data analysis expert for INTEGRAL mission at INTEGRAL Science Data Centre in Geneva from January until March 2003
• Leader of the IXPE sub working group: Observational strategy within Accreting Stellar-Mass Black Hole working group
• Leader of the IXPE sub working group: “Models for the spreading layer, corona and disc reflection in LMXBs” within the working group Accreting Neutron Stars and White Dwarfs

• Referee for The Astrophysical Journal Letters
• Referee for The Astrophysical Journal
• Referee for Monthly Notices of the Royal Astronomical Society

Committee memberships and scientific supervisor
• PhD committee member: "Scuola dottorale scienze matematiche e fisiche, XXV XXVI ciclo", Astrophysics and Earth physics (21-01-2014), 3th University of Rome.
• Research grant committee member at IAPS/INAF Rome 03-03-2015 bando: 2015-03-BS prot. 189
• Post doctoral Research fellow committee member at IAPS/INAF Rome, “Study of acceleration processes in astrophysical gamma-ray sources”, 4/8/2017, Bando 2017-12-AR, det. prot. N. 161,
• Post doctoral Research fellow committee member at IAPS/INAF Rome, “Calibrazioni e simulazioni dello strumento a bordo della missione IXPE” within the IXPE Italian collaboration project , bando 2017-28-AR prot. N , 281, 14/11/2017
• Post doctoral Research fellow committee member, bando:2017-29-BS prot n.22 , “prestazioni Astrofisiche e strumentali del telescopio ssensibile alla polarizzazione per la missione IXPE”,16/01/2018 within the IXPE Italian collaboration project
• Post doctoral research fellow committee member, bando 2019-23-AR, 22/01/2020, “astrofisica delle Alte e energie da terra e dallo spazio dal TeV al MeV, within the collaboration projects CTA-ASTRI, Rcp-Cherenkov, Agile e teche”
• Post doctoral research fellow committee member, “Astrofisica delle alte energie e ottimizzazione dei progetti AGILE, ASTRI e CTA” within the collaboration projects AGILE, ASTRI e CTA e Plasma Astrophysicsis , bando 2020-25-AR, prot: 1583; 30/11 /2020
• Time-limited researcher position committee member and scientific supervisor at IAPS/INAF Rome, “Study of gamma ray binary systems in the multi-frequency and multi messenger era” within the SKa-CTA collaboration project, bando: 2017-31-TD23, prot.291, 15/03/2018

Talk and Seminars
• Missing hard states and regular outbursts: the puzzling case of the black hole candidate 4U 1630-472 28th Texas Symposium on Relativistic Astrophysics 13 -18 December 2015
• High-energy emission of transient black hole binaries. COST meeting:” The biggest accelerators in Space and on Earth” 18-21 March 2013, CERN Geneva Switzerland (Invited)
• IGR J17091-3624: a GRS J1915+105 like source as seen by INTEGRAL and Swift. Black Holes & Jets - 5th Working Groups Meeting of COST MP0905 21-22 November 2012 Palermo (invited)

• IGR J17091-3624: a GRS J1915+105 like source as seen by INTEGRAL and Swift. 9th INTEGRAL workshop 15-19 Oct. 2012 Paris (contributed)

• Transient black hole X-ray binaries as observed by INTEGRAL Physics department seminar at the third University of Rome (3 March 2010).

• Correlating The WFC and the IBIS hard X-ray survey. The Extreme sky: Sampling the Universe above 10 keV, 13-17 Oct. 2009 Otranto (LE) (contributed)

• A failed outburst of H1743-322. CNOC VI 2009: 22-25 September 2009 Santa Margherita di Pula (CA) (contributed)

• A failed outburst of H1743-322, a rare event in black hole transients. Black Holes in Binary Systems: Observations versus Theory, 11-12 September 2009, Ferrara. (contributed).

• Correlating The WFC and the IBIS hard X-ray survey. “A Population explosion: The nature and evolution of X-ray binaries in diverse environments” 28-October 2- November 2007, S. Petersburg, Florida, USA. (contributed)

• Correlating The WFC and the IBIS hard X-ray survey. CNOC V, 11-14 September 2007. San Vito lo Capo (Trapani). (contributed)

• Spectral states of the X-ray binary IGR J17091-3624 observed by INTEGRAL and RXTE CNOC IV, 23-25 November 2005, Padua (contributed)

• Temporal and spectral evolution of the INTEGRAL source IGR J17091-3624. INTEGRAL Internal Workshop 17-21 January 2005 ESTEC, The Netherlands. (contributed)

**List of approved observing proposals**

**Swift Satellite:**

- as principal Investigator:
  - 24/February/2011 Target of Opportunity : observation of the transient X-ray binary IGR J17091-3624.
  - 07/October/2008 Target of Opportunity observation of the transient X-ray binary H1743-322.
  - 09/July/2007 Target of Opportunity observation of the transient X-ray binary IGR J17098-3628.

**INTEGRAL Satellite**

As principal Investigator

- Spectral and temporal behaviour study of a sample of transient BHC in the Galactic Centre region, (P.I. F. Capitanio). Presented and approved for AO4.

- Unidentified X-ray Binaries: a more in depth study with INTEGRAL. Presented and approved for AO7, AO8, AO10 and AO11

- Lack or delay of the hard states in the BHC 4U1630-47 outbursts; an in-depth study with INTEGRAL. Presented and approved for AO17

- Study of the corona geometry and system inclination in BH LMXB. A coordinated IXPE/INTEGRAL ToO observation Presented and approved for AO18,AO19

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As Co-Investigator

- Observations of Known and Unknown Soft Gamma Repeaters in Active State Serendipitously Detected by INTEGRAL (P.I. [redacted]). Presented and approved for AO2, AO3 and presented and approved for AO4.
- Searching for features to determine the 1E 1743.1-2843 nature (P.I. [redacted]). Presented and approved for AO4.
- Hard X-ray emission from Cataclysmic variables in the Cygnus region (P.I. [redacted]). Presented and approved for AO5.
- Giant Flares From Magnetars: The Virgo Cluster (P.I. [redacted]). Presented and approved for AO6
- Carring on in depth study of LMXB candidates, (P.I. [redacted]). Presented and approved for AO7 and AO8.
- Focussing onto the gamma-ray emission of Black Hole Transients in the bright hard state" Presented and approved for AO17 and AO18.

Approved financial projects

- Agreement ASI/INAF I/023/05/0, Scientific Exploitation of the INTEGRAL gamma-ray Guest Observer Data and follow up observations with XMM-Newton, CHANDRA, RXTE and ground telescopes
  Role: Partecipant

- Agreement ASI-INAF I/088/06/0
  Role: Partecipant

- Agreement ASI-INAF n.2017-14-H.0, High-Energy observations of Stellar-mass compact objects: from CVs to the most luminous X-ray binaries
  Role: Partecipant

- INAF CTA SKA, “Towards the SKA and CTA era: discovery, localisation, and physics of transient sources” (PI M. Giroletti).
  Role: local scientific manager

- Prin INAF 2019 SpecTemPolar!: Timing analysis in the era of high-throughput photon detectors. P.I Matteo Bachetti
  Role: Work pakage leader

International collaborations and working groups

1) Member of the IXPE Science team.
2) Member of the IXPE science topical working group: Accreting Stella mass Black Holes (leader of the sub-topical WG observational strategy)
3) Member of the IXPE science topical working group Accreting neutron stars and white dwarfs (leader of the sub-topical WG Weakly magnetized Z- and atoll sources in LMXBs)
4) Member of the eXTP science working group: Strong gravity
5) Member of the CTA collaboration.
6) Member of the CTA science working group Gamma-ray Binaries
7) Member of the ATHENA science working group: Physics of Accretion
8) Member of the Theseus science working group: Time domain astronomy

Outreach activities
- Member of the regional committee of the Italian Astronomy Olympiad editions XIII-XV (2015-2017)
- Leader of the regional committee of the Italian Astronomy Olympiad editions: XVI-XVIII (2018-2020)
- Deputy leader of the regional committee of the Italian Astronomy Olympiad edition XIX (2021)
- Member of the jury of the inter-regional competition of the Italian Astronomy Olympiad XIII-XV (2015-2017)
- President of the jury of the inter-regional competition of the Italian Astronomy Olympiad XVI-XVIII (2018-2020)
- Member of the national jury of the final competition of the Italian Astronomy Olympiad XVII edition (2019)

Outreach seminars
Several seminars and lessons for primary and high schools 2014-2017
Lessons to prepare the secondary school students to Italian Astronomy Olimpiads 2014-2020

Reviewed publications

1. A non-linear mathematical model for the X-ray variability of the microquasar GRS 1915+105 - III. Low-frequency quasi-periodic oscillations. Massaro, E., Capitanio, F., Feroci, M., & Mineo, T., 2020, Monthly Notices of the Royal Astronomical Society, volume 497, pp. 405.

2. A non-linear mathematical model for the X-ray variability classes of the microquasar GRS 1915+105 - II. Transition and swaying classes. Massaro, E., Capitanio, F., Feroci, M., Mineo, T., Ardito, A & Ricciardi, P., 2020, Monthly Notices of the Royal Astronomical Society, volume 496, pp. 1697.

3. A non-linear mathematical model for the X-ray variability classes of the microquasar GRS 1915+105 - I. Quiescent, spiking states, and quasi-periodic oscillations
4. Overview of non-transient γ-ray binaries and prospects for the Cherenkov Telescope Array

Chernyakova, M., Malyshov, D., Paizis, A., La Palombara, N., Balbo, M., Walter, R., Hnatyk, B., van Soelen, B., Romano, P., Munar-Adrover, P., Voûk, I., Piano, G., Capitanio, F., Falceta-Gonçalves, D., Landoni, M., Luque-Escamilla, P. L., Martí, J., Paredes, J. M., Ribó, M., Safi-Harb, S., Saha, L., Sidoli, L., & Vercellone, S., 2019 Astronomy & Astrophysics, Volume 631, pp. 177.

5. Accretion in strong field gravity with eXTP

De Rosa, A., Uttley, P., Gou, L., Liu, Y., Bambi, C., Barret, D., Belloni, T., Berti, E., Bianchi, S., Caiazzo, I., Casella, P., Feroci, M., Ferrari, V., Gualtieri, L., Heyl, J., Ingram, A., Karas, V., Lu, F., Luo, B., Matt, G., Motta, S., Neilsen, J., Pani, P., Santangelo, A., Shu, X., Wang, J., Wang, J.-M., Xue, Y., Xu, Y., Yuan, W., Yuan, Y., Zhang, S.-N., Zhang, S., Agudo, I., Amati, L., Andersson, N., Baglio, C., Bakala, P., Baykal, M., Bhattacharyya, S., Bombaci, F., Bucciantini, N., Capitanio, F., Ciolfi, R., Cui, W. K., D’Ammando, F., Dauser, T., Del Santo, M., De Marco, B., Di Salvo, T., Done, C., Dowčík, M., Fabian, A. C., Falanga, M., Gambino, A. F., Gendre, B., Grinberg, V., Heger, A., Homan, J., Iaria, R., Jiang, J., Jin, C., Koerding, E., Linares, M., Liu, Z., Maccarone, T. J., Malzac, J., Manousakis, A., Marin, F., Marinucci, A., Mehdipour, M., Méndez, M., Migliari, S., Miller, C., Miniutti, G., Nardini, E., O’Brien, P. T., Osborne, J. P., Petrucci, P. O., Possenti, A., Riggio, A., Rodriguez, J., Sanna, A., Shao, L., Sobolewska, M., Sramkova, E., Stevens, A. L., Stiele, H., Stratta, G., Stuchlik, Z., Svoboda, J., Tamburini, F., Tauris, T. M., Tombesi, F., Torok, G., Urbanec, M., Vincent, F., Wu, Q., Yuan, F., in’t Zand, J. J. M., Zdziarski, A. A., & Zhou, X., 2019 Science China Physics, Mechanics, and Astronomy, volume 62, pp. 29504.

https://link.springer.com/article/10.1007%2Fs11433-018-9297-0

6. The failed state transition of the ATOLL source GRS 1724-308

Tarana, A., Capitanio, F., & Cocchi, M., 2018 Monthly Notices of the Royal Astronomical Society, volume 477, pp. 3353.

7. The THESEUS space mission concept: science case, design and expected performances.

Amati, L., O’Brien, P., Götz, D., Bozzo, E., Tenzer, C., Frontera, F., Ghirlanda, G., Labanti, C., Osborne, J. P., Stratta, G., Tanvir, N., Willingale, R., Attina, P., Campana, R., Castro-Tirado, A. J., Contini, C., Fuschino, F., Gomboc, A., Hudec, R., Orlando, P., Renotte, E., Rodic, T., Bagoly, Z., Blain, A., Callanan, P., Covino, S., Ferrara, A., Le Floch, E., Marisaldi, M., Mereghetti, S., Rosati, P., Vacchi, A., D’Avanzo, P., Giommi, P., Piranomonte, S., Piro, L., Reglero, V., Rossi, A., Santangelo, A., Salvaterra, R., Tagliaferri, G., Vergani, S., Vinciguerra, S., Briggs, M., Campolongo, E., Ciolfi, R., Connaughton, V., Cordier, B., Morelli, B., Orlandini, M., Adami, C., Argan, A., Atteia, J.-L., Auricchio, N., Balazs, L., Baldazzi, G., Basa, S., Basak, R., Bellutti, P., Bernardini, M. G., Bertuccio, G., Braga, J., Branchesi, M., Brandt, S., Brocato, E., Budtz-Jorgensen, C., Bulgarelli, A., Burderi, L., Camp, J., Capozziello, S., Caruana, J., Casella, P., Cenko, B., Chardonnnet, P., Ciardi, B., Colafrancesco, S., Dainotti, M. G., D’Elia, V., De Martino, D., De Pasquale, M., Del Monte, E., Della Valle, M., Drago, A., Evangelista, Y., Feroci, M., Finelli, F., Fiorini, M., Fynbo, J., Gal-Yam, A., Gendre, B., Ghisellini, G., Grado, A., Guidorzi, C., Hafizi, M., Hanlon, L., Hjorth, J., Izzo, L., Kiss, L., Kumar, P., Kuvekold, I., Lavagna, M., Li, T., Longo, F., Lyutikov, M., Maio, U., Maiorano, E., Malcovati, P., Malesani, D., Margutti, R., Martin-Carrillo, A.,
8. Energy scaling of the "heartbeat" pulse width of GRS 1915+105, IGR J17091-3624, and MXB 1730-335 from Rossi-XTE observations
Masetti, A., Capitanio, F., Feroci, M., Massa, F., Massaro, E., & Mineo, T., 2018, Astronomy and Astrophysics, volume 612, pp. A33.

9. Missing hard states and regular outbursts: the puzzling case of the black hole candidate 4U 1630-472
Capitanio, F.; Campana, R.; De Cesare, G.; Ferrigno, C.; 2015, Monthly Notices of the Royal Astronomical Society, Volume 450, Issue 4, pp. 3840

10. The peculiar 2011 outburst of the black hole candidate IGR J17091-3624, a GRS 1915+105-like source?
Capitanio, F.; Del Santo, M.; Bozzo, E.; Ferrigno, C.; De Cesare, G.; Paizis, A.; 2012. Monthly Notices of the Royal Astronomical Society, Volume 422, Issue 4, pp. 3130-3141.

11. Interplay between heartbeat oscillations and wind outflow in microquasar IGR J17091-3624;
Janiuk, Agnieszka; Grzedzielski, Mikolaj;
Capitanio, Fiamma; Bianchi, Stefano; 2015, A&A, Volume 574, pag. 92

12. The first outburst of the black-hole candidate MAXI J1836-194 observed by INTEGRAL, Swift, and RXTE
Ferrigno, C.; Bozzo, E.; Del Santo, M.; Capitanio, F. 2012 Astronomy & Astrophysics, Volume 537, pag. L7

13. Finding Persistent Sources with the BeppoSAX/Wide Field Camera: An In-depth Analysis.
Capitanio, F.; Bird, A. J.; Fiocchi, M.; Scaringi, S.; Ubertini, P. The 2011, Astrophysical Journal Supplement, Volume 195, Issue 1, article pag. 9.

14. Five New INTEGRAL Unidentified Hard X-ray Sources Uncovered by Chandra
Fiocchi, M.; Bassani, L.; Bazzano, A.; Ubertini, P.; Landi, R.; Capitanio, F.; Bird, A. J. 2010, The Astrophysical Journal, Volume 720, Issue 2, pag. 987-995.

15. The peculiar high-mass X-ray binary 1ES 1210-646 Masetti, N.; Landi, R.; Sguera, V.; Capitanio, F.; Bassani, L.; Bazzano, A.; Bird, A. J.; Malizia, A.; Palazzi, E., 2010, Astronomy and Astrophysics, Volume 511, id.A48

16. The Fourth IBIS/ISGRI Soft Gamma-ray Survey Catalog
17. A failed outburst of H1743-322

**Capitanio, F., Belloni, T., Del Santo, M., and Ubertini, P.**; 2009, Monthly Notices of the Royal Astronomical Society, vol. 398, pag. 1194, http://adsabs.harvard.edu/abs/2009MNRAS.398.1194C

18. The Two Integral X-Ray Transients IGR J17091-3624 and IGR J17098-3628: A Multiwavelength Long-Term Campaign

**Capitanio, F., Giroletti, M., Molina, M., Bazzano, A., Tarana, A., Kennea, J., Dean, A. J., Hill, A. B., Tavani, M., and Ubertini, P.**; 2009, Astrophysical Journal, vol. 690, pag. 1621, http://adsabs.harvard.edu/abs/2009ApJ...690.1621C

19. The AGN nature of three INTEGRAL sources: IGR J18249-3243, IGR J19443+2117, and IGR J22292+6647

**Landi, R., Stephen, J. B., Masetti, N., Grupe, D., Capitanio, F., Bird, A. J., Dean, A. J., Fiocchi, M., and Gehrels, N.**; 2009, Astronomy and Astrophysics, vol. 493, pag. 893, http://adsabs.harvard.edu/abs/2009A%26A...493..893L

20. The Third IBIS/ISGRI Soft Gamma-Ray Survey Catalog

**Bird, A. J., Malizia, A., Bazzano, A., Barlow, E. J., Bassani, L., Hill, A. B., Bélanger, G., Capitanio, F., Clark, D. J., Dean, A. J., Fiocchi, M., Götz, D., Lebrun, F., Molina, M., Produit, N., Renaud, M., Sguera, V., Stephen, J. B., Terrier, R., Ubertini, P., Walter, R., Winkler, C., and Zurita, J.**; 2007, Astrophysical Journal Supplement Series, vol. 170, pag. 175, http://adsabs.harvard.edu/abs/2007ApJS..170..175B

21. Spectral States of the X-Ray Binary IGR J17091-3624 Observed by INTEGRAL and RXTE

**Capitanio, F., Bazzano, A., Ubertini, P., Zdziarski, A. A., Bird, A. J., De Cesare, G., Dean, A. J., Stephen, J. B., and Tarana, A.**; 2006, Astrophysical Journal, vol. 643, pag. 376, http://adsabs.harvard.edu/abs/2006ApJ...643..376C

22. INTEGRAL high energy behaviour of 4U 1812-12

**Capitanio, F., Bird, A. J., Fiocchi, M.;** 2006, Astronomy and Astrophysics, vol. 448, pag. 335, http://adsabs.harvard.edu/abs/2006A%26A...448..335T

23. The Second IBIS/ISGRI Soft Gamma-Ray Survey Catalog

**Bird, A. J., Barlow, E. J., Bassani, L., Bazzano, A., Bélanger, G., Bodaghee, A., Capitanio, F., Dean, A. J., Fiocchi, M., Hill, A. B., Lebrun, F., Malizia, A., Mas-Hesse, J. M., Molina, M., Moran, L., Renaud, M., Sguera, V., Shaw, S. E., Stephen, J. B., Terrier, R., Ubertini, P., Walter, R., Willis, D. R., and Winkler, C.**; 2006, Astrophysical Journal, vol. 636, pag. 765,
24. Two years of INTEGRAL observation of the BHC IGR J17464-3213
Capitanio, F., Bazzano, A., Ubertini, P., de Cesare, G., Del Santo, M.,
Tarana, A., and Joinet, A.; 2006, Advances in Space Research, vol. 38, pag. 2816,
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25. INTEGRAL/IBIS search for e- e+ annihilation radiation from the galactic center
region
De Cesare, G., Bazzano, A., Capitanio, F., Del Santo, M., Lonjou, V., Natalucci, L.,
Ubertini, P., and von Ballmoos, P.; 2006, Advances in Space Research, vol. 38, pag.
1457, http://adsabs.harvard.edu/abs/2006AdSpR..38.1457D

26. Spectral behaviour of an INTEGRAL sample of black hole candidates: Initial
results
Bazzano, A., Capitanio, F., de Cesare, G., Del Santo, M., Natalucci, L., Tarana, A., Roques,
J. P., Joinet, A., Jourdain, E., Kretschmar, P., Zdziarski, A. A., Dean, A. J., Barlow, E. J.,
Cadolle Bel, M., Goldwurm, A., and A Large Group Of Scientists Involved in The Weak
BHC Topic; 2006, Advances in Space Research, vol. 38, pag. 1369,
http://adsabs.harvard.edu/abs/2006AdSpR..38.1369B

27. State Transition and Flaring Activity of IGR J17464-3213/H1743-322 with
INTEGRAL SPI
Joinet, A., Jourdain, E., Malzac, J., Roques, J. P., Sch&ouml;ndel, V.,
Ubertini, P., and Capitanio, F.; 2005, Astrophysical Journal, vol. 629, pag. 1008,
http://adsabs.harvard.edu/abs/2005ApJ...629.1008J

28. Detection and analysis of a new INTEGRAL hard X-ray transient, IGR J17285-
2922
Barlow, E. J., Bird, A. J., Clark, D. J., Cornelisse, R., Dean, A. J., Hill, A. B., Moran, L., Sguera,
V., Shaw, S. E., Willis, D. R., Capitanio, F., Del Santo, M., and Bassani, L.;
2005, Astronomy and Astrophysics, vol. 437, pag. L27,
http://adsabs.harvard.edu/abs/2005A%26A...437L..27B

29. 1E 1740.7-2942: Temporal and spectral evolution from INTEGRAL and RXTE
observations
Del Santo, M., Bazzano, A., Zdziarski, A. A., Smith, D. M., Bezayiff, N., Farinelli, R., de
Cesare, G., Ubertini, P., Bird, A. J., Cadolle Bel, M., Capitanio, F., Goldwurm, A., Malizia,
A., Mirabel, I. F., Natalucci, L., and Winkler, C.; 2005, Astronomy and Astrophysics, vol. 433,
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http://adsabs.harvard.edu/abs/2005A%26A...433..613D

30. 3-200 keV Spectral States and Variability of the INTEGRAL Black Hole Binary IGR
J17464-3213
Capitanio, F., Ubertini, P., Bazzano, A., Kretschmar, P., Zdziarski, A. A., Joinet, A.,
Barlow, E. J., Bird, A. J., Dean, A. J., Jourdain, E., De Cesare, G., Del Santo, M., Natalucci, L.,
Cadolle Bel, M., and Goldwurm, A.; 2005, Astrophysical Journal, vol. 622, pag. 503,
http://adsabs.harvard.edu/abs/2005ApJ...622..503C
31. Discovery of the INTEGRAL X/γ-ray transient IGR J00291+5934: A Comptonised accreting ms pulsar?
Shaw, S. E., Mowlavi, N., Rodriguez, J., Ubertini, P., Capitanio, F., Ebisawa, K., Eckert, D., Courvoisier, T. J.-L., Produit, N., Walter, R., and Falanga, M.; 2005, Astronomy and Astrophysics, vol. 432, pag. L13, http://adsabs.harvard.edu/abs/2005A%26A...432L..13S

32. High-energy observations of the state transition of the X-ray nova and black hole candidate XTE J1720-318
Cadolle Bel, M., Rodriguez, J., Sizun, P., Farinelli, R., Del Santo, M., Goldwurm, A., Goldoni, P., Corbel, S., Parmar, A. N., Kuulkers, E., Ubertini, P., Capitanio, F., Roques, J.-P., Frontera, F., Amati, L., and Westergaard, N. J.; 2004, Astronomy and Astrophysics, vol. 426, pag. 659, http://adsabs.harvard.edu/abs/2004A%26A...426..659C

33. From BeppoSAX to INTEGRAL: Wide Field Camera results on the Galactic Plane and INTEGRAL prospective
Capitanio, F., Bazzano, A., Cocchi, M., Natalucci, L., Ubertini, P., in't Zand, J. J. M., and Heise, J.; 2004, Nuclear Physics B Proceedings Supplements, vol. 132, pag. 580, http://adsabs.harvard.edu/abs/2004NuPhS.132..580C

34. The First IBIS/ISGRI Soft Gamma-Ray Galactic Plane Survey Catalog
Bird, A. J., Barlow, E. J., Bassani, L., Bazzano, A., Bodaghee, A., Capitanio, F., Cocchi, M., Del Santo, M., Dean, A. J., Hill, A. B., Lebrun, F., Malaguti, G., Malizia, A., Much, R., Shaw, S. E., Stephen, J. B., Terrier, R., Ubertini, P., and Walter, R.; 2004, Astrophysical Journal, vol. 607, pag. L33, http://adsabs.harvard.edu/abs/2004ApJ...607L..33B

35. First IBIS results on the high energy emission of Cygnus X-2
Natalucci, L., Del Santo, M., Ubertini, P., Capitanio, F., Cocchi, M., Piraino, S., Santangelo, A.; 2003, Astronomy and Astrophysics, vol. 411, pag. L395, http://adsabs.harvard.edu/abs/2003A%26A...411L.395N

36. IBIS preliminary results on Cygnus X-1 spectral and temporal characteristics
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