

Andrea De Luca

ELENCO COMPLETO DELLE PUBBLICAZIONI

La lista delle pubblicazioni scientifiche di ADL, a giugno 2009, comprende 56 articoli su riviste internazionali con referee, fra le quali una su *Nature*, 5 su *Science*, 19 su *The Astrophysical Journal*, 21 su *Astronomy & Astrophysics*, che hanno raccolto un totale di oltre 880 citazioni (fonte: ADS).

Ha partecipato a numerosi convegni internazionali con presentazioni orali; è stato invitato a tenere un review talk al congresso “40 years of pulsars” presso la McGill University di Montreal (Ca) nell’agosto 2007.

Pubblicazioni su rivista internazionale con referee

1. **De Luca, A.**, Mignani, R.P., Caraveo, P.A. (2000), “*The Vela pulsar proper motion revisited with HST astrometry*”, *Astronomy & Astrophysics*, Vol. 354, pp. 1011-1013
2. Mignani, R.P., **De Luca, A.**, Caraveo, P.A. (2000), “*The Hubble Space Telescope Revisits the Proper Motion of Pulsar B0656+14*”, *The Astrophysical Journal*, Vol. 543, Issue 1, pp. 318-320
3. Caraveo P.A., **De Luca A.**, Mignani R.P., Bignami G.F. (2001), “*The distance to the Vela pulsar gauged with HST parallax observations*”, *The Astrophysical Journal*, Vol. 561, Issue 2, pp. 930-937
4. Mignani R.P., **De Luca A.**, Caraveo P.A., Mirabel I.F. (2002), “*HST observations rule out the association between Cir X-1 and SNR G321.9-0.3*”, *Astronomy & Astrophysics*, Vol. 386, pp. 487-491
5. Lumb D.H., Warwick R.S., Page M., **De Luca A.** (2002), “*X-ray background measurements with XMM-Newton EPIC*”, *Astronomy & Astrophysics*, Vol. 389, pp. 93-105
6. Pellizzoni A., Mereghetti S., **De Luca A.** (2002), “*An Ha nebula possibly associated with the central X-ray source in the G 266.2-1.2 supernova remnant*”, *Astronomy & Astrophysics*, Vol. 393, pp. L65-L68
7. Mereghetti S., **De Luca A.**, Caraveo P.A., Becker W., Mignani R.P., Bignami G.F. (2002), “*Pulse Phase Variations of the X-Ray Spectral Features in the Radio-quiet Neutron Star 1E 1207-5209*”, *The Astrophysical Journal*, Vol. 581, Issue 2, pp. 1280-1285
8. Mignani R.P., **De Luca A.**, Caraveo P.A., Becker W. (2002), “*Hubble Space Telescope Proper Motion Confirms the Optical Identification of the Nearby Pulsar PSR1929+10*” *The Astrophysical Journal*, Vol. 580, Issue 2, pp. L147-L150
9. Bignami G.F., Caraveo P.A., **De Luca A.**, Mereghetti S. (2003), “*The magnetic field of an isolated neutron star from X-ray cyclotron absorption lines*”, *Nature* Vol. 423, No. 6941, pp. 725-727
10. Caraveo P.A., Bignami G.F., **De Luca A.**, Mereghetti S., Pellizzoni A., Mignani R., Tur A., Becker W. (2003), “*Geminga's Tails: A Pulsar Bow Shock Probing the Interstellar Medium*”, *Science*, Vol. 301, No. 5368, pp. 1345-1348
11. La Palombara N., Bignami G.F., Caraveo P.A., **De Luca A.**, Mereghetti S., Mignani R.P. (2003), “*X-ray and optical coverage of two unidentified γ -ray sources: 3EG0616-3310 and 3EG1249-8330*”, *Recent Research Developments in Astronomy and Astrophysics*, Vol 1, No 1, pp 739-762
12. Mignani R.P., **De Luca A.**, Kargaltsev O., Pavlov G.G., Zaggia S., Caraveo P.A., Becker W. (2003), “*Search for the Optical Counterpart of the Vela Pulsar X-Ray Nebula*”, *The Astrophysical Journal*, Vol. 594, No. 1, pp. 419-427
13. Caraveo P., **De Luca A.**, Mereghetti S., Pellizzoni A., Bignami G.F. (2004), “*Phase-Resolved Spectroscopy of Geminga Shows Rotating Hot Spot(s)*”, *Science*, Vol. 305, No. 5682, pp. 376-380

- 14 . **De Luca A.**, Mereghetti S., Caraveo P.A., Moroni M., Mignani R.P., Bignami G.F. (2004), “XMM-Newton and VLT observations of the isolated neutron star 1E 1207.4-5209”, *Astronomy & Astrophysics*, Vol. 418, pp. 625-637
- 15 . **De Luca A.**, Molendi S. (2004), “The 2-8 keV cosmic X-ray background spectrum as observed with XMM-Newton”, *Astronomy & Astrophysics*, Vol. 419, pp. 837-848
- 16 . Mignani R.P., Pavlov G.G., **De Luca A.**, Caraveo P.A. (2004), “HST and VLT observations of isolated neutron stars”
Advances in Space Research, Vol. 33, No. 4, p. 518
- 17 . Pellizzoni A., **De Luca A.**, Mereghetti S., Tiengo A., Mattana F., Caraveo P.A., Tavani M., Bignami G.F. (2004), “A First XMM-Newton Look at the Relativistic Double Pulsar PSR J0737-3039”, *The Astrophysical Journal*, Vol. 612, No. 1, pp. L49-L52
- 18 . **De Luca A.**, Caraveo P., Mereghetti S., Negroni M., Bignami G.F. (2005), “On the polar caps of the three musketeers”, *The Astrophysical Journal*, Vol. 623, No. 2, pp. 1051-1069
- 19 . **De Luca A.**, Melandri A., Caraveo P.A., Goetz D., Mereghetti S., Tiengo A., Antonelli L., Campana S., Chincarini G., Covino S., D'Avanzo P., Fernandez-Soto A., Fugazza D., Malesani D., Stella L., Tagliaferri G. (2005), “XMM-Newton and VLT observations of the afterglow of GRB040827”, *Astronomy & Astrophysics*, Vol. 440, No. 1, pp. 85-92
- 20 . Malesani D., Covino S., Rossi E.M., Lazzati D., **De Luca A.**, Filliatre P., Tagliaferri G. (2005), “Open issues in Gamma-Ray Bursts: Polarimetry and dark GRBs”, *Il Nuovo Cimento C*, vol. 28, Issue 4, p.515
- 21 . Becker W., Kramer M., Jessner A., Taam R.E., Jia J.J., Cheng K.S., Mignani R., Pellizzoni A., **De Luca A.**, Slowikowska A., Caraveo P.A. (2006), “A Multiwavelength Study of the Pulsar PSR B1929+10 and Its X-Ray Trail”, *The Astrophysical Journal*, Vol. 645, No. 2, pp. 1421-1435
- 22 . Campana S., Romano P., Covino S., Lazzati D., **De Luca A.**, Chincarini G., Moretti A., Tagliaferri G., and 24 coauthors (2006), “Evidence for intrinsic absorption in the Swift X-ray afterglows”, *Astronomy & Astrophysics*, Vol. 449, NO. 1, pp. 61-65
- 23 . **De Luca A.**, Caraveo P.A., Mattana F., Pellizzoni A., Bignami G.F. (2006), “On the complex X-ray structure tracing the motion of Geminga”, *Astronomy & Astrophysics* Vol. 445, No. 1, pp. L9-L13
- 24 . **De Luca A.**, Caraveo P.A., Mereghetti S., Tiengo A., Bignami G.F. (2006), “A Long-Period, Violently Variable X-ray Source in a Young Supernova Remnant”, *Science*, Vol. 313, No. 5788, pp. 814-817
- 25 . Filliatre P., Covino S., D'Avanzo S., **De Luca A.**, Gotz D., and 16 coauthors (2006), “The weak INTEGRAL bursts GRB040223 and GRB040624: an emerging population of dark afterglows”, *Astronomy & Astrophysics*, Vol. 448, No. 1, pp. 971-982
- 26 . Mattana F., Gotz D., Falanga M., Senziani F., **De Luca A.**, Esposito P., Caraveo P.A. (2006), “A new symbiotic low mass X-ray binary system: 4U 1954+319”, *Astronomy & Astrophysics*, Vol. 460, No. 2, pp. L1-L4
- 27 . Moretti A., **De Luca A.**, Malesani D., Campana S., A.Tiengo, Cucchiara A., Reeves J.N., Chincarini G., Pagani C., Romano P., and 23 coauthors (2006), “Swift and XMM-Newton observations of the dark GRB 050326”, *Astronomy & Astrophysics*, Vol. 451, No. 3, pp. 777-787
- 28 . Novara G., La Palombara N., Carangelo N., **De Luca A.**, Caraveo P.A., Mignani R., Bignami G.F. (2006), “A deep XMM-Newton serendipitous survey of a middle-latitude area”, *Astronomy & Astrophysics*, Vol. 448, No. 1, pp. 93-100
- 29 . Zane S., **De Luca A.**, Mignani R.P., Turolla R. (2006), “The proper motion of the isolated neutron star RX J1605.3+3249”, *Astronomy & Astrophysics*, Vol. 457, No. 2, pp. 619-622
- 30 . **De Luca A.**, Caraveo P.A., Mereghetti S., Tiengo A., Bignami G.F., (2007), “The puzzling X-ray source in RCW103”, *Astrophysics and Space Science*, Vol. 308, No. 1-4, pp. 231-238

31. **De Luca A.**, Mignani R.P., Caraveo P.A., Bignami G.F. (2007), “Hubble Space Telescope Multiepoch Imaging of the PSR B0540-69 System Unveils a Highly Dynamic Synchrotron Nebula”, *The Astrophysical Journal*, Vol. 667, No. 1, pp. L77-L80
32. Esposito P., Tiengo A., **De Luca A.**, Mattana F. (2007), “Discovery of X-ray emission from the young radio pulsar PSR J1357-6429”, *Astronomy & Astrophysics*, Vol. 467, No. 2, pp. L45-L48
33. Esposito P., Caraveo P.A., Pellizzoni A., **De Luca A.**, Gehrels N., Marelli M. (2007), “Swift/XRT monitoring of five orbital cycles of LSI +61 303”, *Astronomy & Astrophysics*, Vol. 474, No. 2, pp. 575-578
34. Gotz D., Falanga M., Senziani F., **De Luca A.**, Schanne S., von Kienlin A. (2007), “IGR J08408-4503: a new recurrent Supergiant Fast X-ray Transient”, *The Astrophysical Journal*, Vol. 655, No. 2, pp. L101-L104
35. Manzali A., **De Luca A.**, Caraveo P.A. (2007), “Using XMM-Newton to measure the spectrum of the Vela pulsar and its phase variation”, *Astrophysics and Space Science*, Vol. 308, No. 1-4, pp. 601-605
36. Manzali A., **De Luca A.**, Caraveo P.A. (2007), “Phase resolved spectroscopy of the Vela pulsar with XMM-Newton”, *The Astrophysical Journal*, Vol. 669, No. 1, pp. 570-578
37. Mignani R.P., Bagnulo S., **De Luca A.**, Israel G.L., Lo Curto G., Motch C., Perna R., Rea N., Turolla R., Zane S. (2007), “Studies of neutron stars at optical/IR wavelengths”, *Astrophysics and Space Science*, Vol. 308, No. 1-4, pp. 203-210
38. Mignani R.P., **De Luca A.**, Zaggia S., Sester D., Pellizzoni A., Mereghetti S., Caraveo P.A. (2007), “VLT observations of the central compact object in the Vela Jr. supernova remnant”, *Astronomy & Astrophysics*, Vol. 473, No. 3, pp. 883-889
39. Senziani F., Novara G., **De Luca A.**, Caraveo P.A., Belloni T., Bignami G.F. (2007), “Using GRO J1655-40 to test Swift/BAT as a monitor for bright hard X-ray sources”, *Astronomy & Astrophysics*, Vol. 476, No. 3, pp. 1297-1305
40. Esposito P., **De Luca A.**, Tiengo A., Paizis A., Mereghetti S., Caraveo P. A. (2007), “Unveiling the nature of RX J0002+6246 with XMM-Newton”, *Monthly Notices of the Royal Astronomical Society*, Vol. 384, Issue 1, pp. 225-229
41. Pellizzoni A., Tiengo A., **De Luca A.**, Esposito P., Mereghetti S. (2008), “PSR J0737-3039: Interacting Pulsars in X-Rays”, *The Astrophysical Journal*, Vol. 679, Issue 1, pp. 664-674
42. Pizzolato F., Colpi M., **De Luca A.**, Mereghetti S., Tiengo A. (2008), “1E161348-5055 in the Supernova Remnant RCW 103: A Magnetar in a Young Low Mass Binary System?”, *The Astrophysical Journal*, Vol. 681, Issue 1, pp. 530-542
43. Mignani R.P., Zaggia S., **De Luca A.**, Perna R., Bassan N., Caraveo P.A., (2008), “Optical and Infrared Observations of the X-ray source 1WGA J1713.4-3949 in the G347.3-0.5 SNR”, *Astronomy & Astrophysics*, Vol. 484, Issue 2, pp. 457-461
44. **De Luca A.**, Mignani R.P., Zaggia S., Beccari G., Mereghetti S., Caraveo P.A., Bignami G.F. (2008), “Deep infrared observations of the puzzling central X-ray source in RCW103”, *The Astrophysical Journal* Vol. 682, Issue 2, pp. 1185-1194
45. Esposito P., Israel G.L., Zane S., Senziani F., Starling R.L.C., Rea N., Palmer D.M., Gehrels N., Tiengo A., **De Luca A.**, and 9 coauthors (2008), “The 2008 May burst activation of SGR 1627-41”, *Monthly Notices of the Royal Astronomical Society* Vol. 390, Issue 1, pp. L34-L38
46. Vercellone S., Chen A. W., Vittorini V., Giuliani A., D'Ammando F., Tavani M., Donnarumma I., Pucella G., Raiteri C. M., Villata M., Chen W. P., Tosti G., Impiombato D., Romano P., Belfiore A., **De Luca A.**, and 54 coauthors (2009), “Multiwavelength observations of 3C 454.3. I. The AGILE 2007 November campaign on the Crazy Diamond”, *The Astrophysical Journal*, Vol. 690, Issue 1, pp. 1018-1030
47. Esposito P., Tiengo A., Mereghetti S., Israel G. L., **De Luca A.**, Götz D., Rea N., Turolla R., Zane S. (2008), “XMM-Newton discovery of 2.6 s pulsations in the soft gamma-ray repeater SGR 1627-41”, *The Astrophysical Journal*, Vol. 690, Issue 2, pp. L105-L109

48. **De Luca, A.**, Caraveo, P.A., Esposito, P., Hurley, K. (2009), “*Chandra astrometry sets a tight upper limit to the proper motion of SGR 1900+14*”, *The Astrophysical Journal*, Vol. 692, Issue 1, pp. 158-161
49. Mattana, F., Falanga, M., Götz, D., Terrier, R., Esposito, P., Pellizzoni, A., **De Luca, A.**, Marandon, V., Goldwurm, A., Caraveo, P. (2009), “*On the evolution of the Gamma- and X-ray luminosities of Pulsar Wind Nebulae*”, *The Astrophysical Journal*, Vol. 694, Issue 1, pp.12-17
50. Pellizzoni, A., Pilia, M., Possenti, A., Chen, A., Giuliani, A., Trois, A., Caraveo, P., DelMonte, E., Fornari, F., Fuschino, F., Mereghetti, S., Tavani, M., Argan, A., Burgay, M., Cognard, I., Corongiu, A., Costa, E., D'Amico, N., **De Luca, A.**, and 51 coauthors (2009), “*Discovery of New Gamma-Ray Pulsars with AGILE*”, *The Astrophysical Journal*, Vol. 695, Issue 1, pp.L115-L119
51. Abdo, A. et al. (The LAT collaboration) (2009), “*Fermi Large Area Telescope Bright Gamma-ray Source List*”, *The Astrophysical Journal Supplement Series*, Vol. 183, Issue 1, pp. 46-66
52. Abdo, A., et al., (The LAT collaboration) (2009), “*A population of gamma-ray millisecond pulsars*”, *Science*, in press
53. Abdo, A., et al., (The LAT collaboration) (2009), “*Sixteen Gamma-Ray Pulsars Discovered In Blind Frequency Searches Using the Fermi Large Area Telescope*”, *Science*, in press
54. Abdo, A., et al., (The LAT collaboration) (2009), “*Pulsed gamma-rays from PSR J2021+3651 with the Fermi Large Area Telescope*”, *The Astrophysical Journal*, in press
55. Mignani, R. P.; **De Luca, A.**; Mereghetti, S.; Caraveo, P. A (2009), “*Deep optical observations of the central X-ray source in the Puppis A supernova remnant*”, *Astronomy & Astrophysics*, in press
56. Novara, G.; La Palombara, N.; Mignani, R. P.; Hatziminaoglou, E.; Schirmer, M.; **De Luca, A.**; Caraveo, P. A. (2009), “*A Deep XMM-Newton Serendipitous Survey of a middle-latitude area. II. New deeper X-ray and optical observations*”, *Astronomy & Astrophysics*, in press

Conferenze nazionali ed internazionali

1. **De Luca A.**, Mignani R.P., Caraveo P.A. (1999), “*Una nuova misura del moto proprio della pulsar delle Vele con HST*”, First National Conference on Compact Objects (CNOC), Como, Italy, 1999, May 12-14
2. Caraveo P.A., **De Luca A.**, Mignani R.P., Wagner S. and Bignami G.F. (2000), “*SNR0540 morphology: HST vs Chandra*”, Proceedings of “A Decade of HST Science”, 2000, April 11-14, Baltimore, USA Proc. STScI Symp. 14, ed. M. Livio, K. Noll, & M. Stiavelli, p.9, astro-ph/0009035
3. Mignani R.P., **De Luca A.**, Caraveo P.A. (2000), “*HST: a powerful astrometric device for pulsar astronomy*”, Proceedings of “A Decade of HST Science”, 2000, April 11-14, Baltimore, USA, Proc. STScI Symp. 14, ed. M. Livio, K. Noll, & M. Stiavelli, p.65, astro-ph/0009033
4. **De Luca A.**, Mignani R.P., Caraveo P.A. (2000), “*HST: a reliable astrometric device for pulsar astronomy*”, Proceedings of “A Decade of HST Science”, 2000, April 11-14, Baltimore, USA, Proc. STScI Symp. 14, ed. M. Livio, K. Noll, & M. Stiavelli, p.32, astro-ph/0009034
5. Ferrando P., Abbey A.F., Altieri B., Arnaud M., Bennie P., Dadina M., Denby M., Ghizzardi S., Griffiths R.G., La Palombara N., **De Luca A.**, Lumb D., Molendi S., Neumann D., Sauvageot J.L., Saxton R.D., Sembay S., Tiengo A., Turner M.J.L. (2002), “*Status of the EPIC/MOS calibration*”, Proceedings of “New Visions of the X-ray Universe in the XMM-Newton and Chandra era”, in press, 2001, November 26-30, ESTEC, Noordwijk (NL), astro-ph/0202372
6. Caraveo P.A., **De Luca A.**, La Palombara N., Mignani R.P., Hatziminaoglou E., Hartman R., Thompson D.J., Bignami G.F. (2001), “*XMM-Newton and Wide Field Optical Imaging to crack the mystery of unidentified γ -ray sources*”, Proceedings of “New Visions of the X-ray Universe in the XMM-Newton and Chandra era”, in press, 2001, November 26-30, ESTEC, Noordwijk (NL), astro-ph/0202479

7. **De Luca A.**, Molendi S. (2001), "*Studying the Cosmic X-ray Background with XMM-Newton*", Proceedings of "New Visions of the X-ray Universe in the XMM-Newton and Chandra era", in press, 2001, November 26-30, ESTEC, Noordwijk (NL), astro-ph/0202480
8. Mereghetti S., Pellizzoni A., **De Luca A.** (2002) "*The X-ray Sources at the Center of G266.2-1.2*", Proceedings of "Neutron Stars in Supernova Remnants", Boston, MA, USA, 2001, August 14-17, ASP Conference Series, Vol. 271, ed. Patrick O. Slane and Bryan M. Gaensler. San Francisco: ASP, 2002., p.289, astro-ph/0112152
9. Bignami G.F., Caraveo P.A., **De Luca A.**, Mereghetti S. (2003), "Cyclotron Lines in the Soft X-ray Spectrum of an Isolated Neutron Star", *Proceedings of "Semaine de l'Astrophysique Francaise"*, Bordeaux, France, p. 170.
10. **De Luca A.**, Mignani R.P., Caraveo P.A., Becker W (2003), "HST proper motion confirms the optical detection of PSR B1929+10", *Proceedings of "Radio Pulsars"*, Chania, Greece, ASP Vol. 302, p.359
11. **De Luca A.**, Mereghetti S., Caraveo P.A., Mignani R.P., Becker W., Bignami G.F. (2003), "The XMM-Newton view of the radio-quiet neutron star 1E 1207.4-5209", *Proceedings of "Radio Pulsars"*, Chania, Greece, ASP Vol. 302, p.159
12. Ferrando P., Abbey A.F., Altieri B., Arnaud M., Bennie P.J., Dadina M., Denby M., Ghizzardi S., Griffiths R.G., Kirsch M., La Palombara N., **De Luca A.**, Lumb D.H., Molendi S., Neumann D., Sauvageot J.L., Saxton R., Sembay S., Tiengo A., Turner M.J.L.. (2003), "Status of the EPIC/MOS calibration onboard XMM-Newton", *Proceedings of the SPIE*, Berlin, Germany, Vol. 4851, pp. 232-242
13. Pellizzoni A., Mereghetti S., **De Luca A.** (2003), "Optical Study of the Radio Quiet Pulsar Candidate Associated with SNR G 266.2-1.2", *Proceedings of "Radio Pulsars"*, Chania, Greece, ASP Vol. 302, p.167
14. Bignami G.F., Caraveo P.A., **De Luca A.**, Mereghetti S., Mignani R.P., Becker W. (2004), "1E1207.4-5209 - a Unique Object ", *Proceedings of EPIC Consortium meeting*, Palermo, Italy, Memorie della Società Astronomica Italiana Vol. 75, p.448
15. Caraveo P.A., Bignami G.F., **De Luca A.**, Pellizzoni A., Mereghetti S., Tur A., Mignani R.P., Becker W. (2004) "Geminga: a tale of two tails, and much more", *Proceedings of EPIC Consortium meeting*, Palermo, Italy, Memorie della Società Astronomica Italiana Vol. 75, p. 470
16. Caraveo P., **De Luca A.**, Mereghetti S., Bignami G. (2004), "XMM-Newton observations of isolated neutron stars", *Proceedings of 35th COSPAR Scientific Assembly*, Paris, France
17. Caraveo P.A., Bignami G.F., **De Luca A.**, Pellizzoni A., Mereghetti S., Tur A., Mignani R.P., Becker W. (2004), "XMM-Newton and Geminga", *Proceedings of International Astronomical Union. Symposium no. 218*, Sydney, Australia, ASP, p.215
18. **De Luca A.**, Bignami G.F., Caraveo P.A., Mereghetti S., Mignani R.P., Becker W. (2004), "Out of the Chorus Line: what Makes 1E1207-52 a Unique Object", *Proceedings of International Astronomical Union. Symposium no. 218*, Sydney, Australia, ASP, p.273
19. **De Luca A.**, Molendi S. (2004), "The 2-8 keV cosmic X-ray background spectrum observed with XMM-Newton", *Proceedings of EPIC Consortium meeting*, Palermo, Italy, Memorie della Società Astronomica Italiana Vol. 75
20. **De Luca A.**, Negroni M., Caraveo P., Mereghetti S., Bignami G. (2004), "Phase-resolved spectroscopy of the Three Musketeers with XMM-Newton", *Proceedings of 35th COSPAR Scientific Assembly*, Paris, France
21. La Palombara N., Bignami G.F., Caraveo P., **De Luca A.**, Mereghetti S., Mignani R. (2004) "X-ray and optical coverage of 3EG J0616-3310 and 3EG J1249-8330", *Proceedings of EPIC Consortium meeting*, Palermo, Italy, Memorie della Società Astronomica Italiana Vol. 75, p.476
22. Mignani R.P., **De Luca A.**, Caraveo P.A., Pavlov G.G. (2004), "HST and VLT Observations of Pulsars and Their Environments", *Proceedings of International Astronomical Union. Symposium no. 218*, Sydney, Australia, ASP, p.391

23. Pellizzoni A., Mattana F., Mereghetti S., **De Luca A.**, Caraveo P., Conti M. (2004), "Pulsar Bow-shocks", *Memorie della Società Astronomica Italiana* Vol. 5, p. 195
24. Bignami G.F., **De Luca A.**, Caraveo P.A., Mereghetti S. (2005), "EPIC detects rotating hot spots on isolated NSs", *Proceedings of EPIC XMM-Newton Consortium Meeting*, Ringberg, Germany, MPE Report 288, p.35-38
25. La Palombara N., Novara G., Carangelo N., **De Luca A.**, Caraveo P.A., Mignani R.P., Bignami G.F. (2006), "A Deep XMM-Newton Serendipitous Survey of a Middle-Latitude Area", *proceedings of "The X-ray Universe 2005"*, El Escorial, Spain. ESA SP-604, Vol. 1, pp. 457-458
26. Pellizzoni A., Mattana F., **De Luca A.**, Mereghetti S., Caraveo P., Conti M., Tavani M. (2005), "Pulsar bow-shocks", *Proceedings of "High energy Gamma-ray astronomy"*, New York, USA, p.745
27. Campana S., Romano P., Covino S., Lazzati D., **De Luca A.**, Chincarini G., Moretti A., Tagliaferri G., and 24 coauthors (2006), "Evidence for intrinsic absorption in the Swift X-ray afterglows", *proceedings of "Gamma-Ray Bursts in the Swift Era"*, Washington, USA, AIP Conference Proceedings, Vol. 836. pp.408-413
28. D'Avanzo P., Filliatre P., Goldoni P., Antonelli L.A., Campana S., Chincarini G., Covino S., Cucchiara A., Della Valle M., **De Luca A.**, and 16 coauthors (2006), "The frontier of darkness: the cases of GRB 040223, GRB 040422, GRB 040624", *proceedings of "Gamma-Ray Bursts in the Swift Era"*, Washington, USA, AIP Conference Proceedings, Vol. 836. p.467-470
29. Moretti A., **De Luca A.**, Malesani D., Campana S., Tiengo A., Reeves J.N., Capalbi M., Chincarini G., Covino S., Cusumano G., and 7 coauthors (2006), "Swift and XMM observations of the dark GRB 050326", *proceedings of "Gamma-Ray Bursts in the Swift Era"*, Washington, USA, AIP Conference Proceedings, Vol. 836. pp.285-288
30. Senziani F., Novara G., **De Luca A.**, Caraveo P.A., Belloni T. (2006), "*Using Swift/BAT as an all-sky hard X-ray monitor*", VI Microquasar workshop, "Microquasar & beyond", Como, Italy, 18-22 September
31. **De Luca A.** (2008), "*Central Compact Objects in Supernova Remnants*", invited review, in "40 YEARS OF PULSARS: Millisecond Pulsars, Magnetars and More". AIP Conference Proceedings, Volume 983, pp. 311-319
32. Pizzolato, F., Colpi, M., **De Luca, A.**, Mereghetti, S., Tiengo, A. (2008), "*1E161348-5055 in the Supernova Remnant RCW 103: A Magnetar in a Young Low Mass Binary System?*" in "40 YEARS OF PULSARS: Millisecond Pulsars, Magnetars and More". AIP Conference Proceedings, Volume 983, pp. 328-330
33. Mignani, R. P.; Zaggia, S.; Dobrzycka, D., Beccari, G.; **De Luca, A.**, Mereghetti, S.; Caraveo, P. A. (2008), "*VLT observations of Compact Central Objects*" in "40 YEARS OF PULSARS: Millisecond Pulsars, Magnetars and More". AIP Conference Proceedings, Volume 983, pp. 325-327
34. **De Luca A.**, Caraveo P.A., Mereghetti S., Tiengo A., Bignami G.F. (2007), "*The mysterious X-ray source in RCW103*", EPIC Consortium meeting, Leicester (UK), 2007, September 11-13
35. Mereghetti S., **De Luca A.**, Fiorini M., La Palombara N., Tiengo A., and 21 coauthors (2008), "*XIAO: a soft X-ray telescope for the SVOM Mission*", presented at "SPIE Astronomical Telescopes and Instrumentation 2008" - Marseille, June 23-28, 2008, Proceedings of the SPIE, Volume 7011, pp. 70111T-70111T-12 (2008)
36. Mattana, F., Falanga, M., Götz, D., Terrier, R., Esposito, P., Pellizzoni, A., **De Luca, A.**, Marandon, V., Goldwurm, A., Caraveo, P. (2008), "*High-energy flux evolution of Pulsar Wind Nebulae*", AIP Conference Proceedings, Volume 1085, pp. 308-311 (2008)

Astronomer's Telegram (ATel)

1. Tiengo A., Mereghetti S., Esposito P., **De Luca A.**, Gotz D. (2007), "*Analysis of archival XMM-Newton observations of the field of the short oft burst GRB 071017*", ATel 1243
2. Israel G.L., Krimm H. A., Rea N., Perez D., Burrows D. N., Beardmore A. P., Campana S., Covino S., Cummings J., **De Luca A.** and 15 coauthors(2008), "*Swift detects an X-ray and optical outburst from a Galactic source probably associated with 1RXH J173523.7-354013*", Atel 1528
3. Esposito P., Israel G. L., Starlin R., Palmer D., Gehrels N., Barthelmy S., Zane S., Tiengo A., Rea N., **De Luca A.**, Gotz D., Mereghetti S. (2008), "*Swift/XRT observations of SGR 1627-41's flux decay*", Atel 1555
4. Tiengo A., Rea N., Klein-Wolt M., Wijnands R., Israel G.L., Esposito P., Zane S., Starling R., Mereghetti S., De Luca A., Gotz D. (2008), "*A Chandra observation ~20 hrs before the renewed bursting activity of SGR 1627-41* ", Atel 1559
5. Esposito,P., Tiengo, A., Mereghetti, S., De Luca, A., and 8 coauthors "*Period derivative of the Soft Gamma-ray Repeater SGR 1627-41* ", Atel 2068

GCN Circulars

De Luca A., Mereghetti S., Tiengo A., Campana S. (2004), "*GRB040223, improved XMM position*", GCN 2547

Tiengo A., Mereghetti S., **De Luca A.** (2004), "*GRB 040223: XMM-newton results*", GCN 2548

Simoncelli A., D'Avanzo P., Campana S., Covino S., Fugazza D., Cucchiara A., Kalogerakos S., Tagliaferri G., Zerbi F., Chincarini G., Israel G.L., Stella L., Malesani D., **De Luca A.** (2004), "*GRB040223: deep NIR NTT data re-analysis*", GCN 2549

De Luca A., Goetz D., Campana S. (2004), "*GRB040827: analysis of the XMM-Newton observation*", GCN 2698

De Luca A., Campana S. (2005), "*GRB050223: analysis of the XMM-Newton observation*", GCN 3109

De Luca A., Goetz D., Campana S. (2005), "*GRB050326: analysis of the XMM-Newton observation*", GCN 3293

De Luca A. (2005), "*GRB050713: analysis of the XMM-Newton observation*", GCN 3695

De Luca A. (2005), "*GRB050820B: analysis of the XMM-Newton observation*", GCN 4005

De Luca A., Caraveo P.A., Esposito P., Mereghetti S., Tiengo A. (2005), "*GRB050925: analysis of the XMM-Newton observation*", GCN 4274

De Luca A. (2005) "*GRB051016: analysis of the XMM-Newton observation*", GCN 4391

De Luca A. (2006), "*GRB060218: analysis of the XMM-Newton observation*", GCN 4853

Campana S., **De Luca A.** (2006), "*XMM-Newton observation of GRB060510B*", GCN 5157

Campana S., **De Luca A.** (2006) "*GRB060729: analysis of the XMM-Newton observation*", GCN 5469

