

## AGILE scientific papers I: published and accepted papers in refereed journals 2009

|    |   | First Author  | Journal             | Vol.                  | Pag.   | Year | Subm. date | Accept. date | arXiv [astro-ph]   |   |
|----|---|---------------|---------------------|-----------------------|--------|------|------------|--------------|--|---|
| 41 | The AGILE Silicon Tracker: pre-launch and in-flight configuration   | A.Bulgarelli  | NIM A               | 614                   | 213    | 2010 | 21/08/09   | 17/12/09     |  | Published online on January 4, 2010 available at <a href="http://dx.doi.org/10.1016/j.nima.2009.12.051">http://dx.doi.org/10.1016/j.nima.2009.12.051</a>                          |
| 40 | Detection of Gamma-Ray Emission from the Vela Pulsar Wind Nebula with AGILE                                 | A.Pellizzoni  | Science             | 327                   | 663    | 2010 | 26/10/09   | 15/12/09     | <a href="http://arxiv.org/abs/0912.2921v2">arXiv:0912.2921v2</a> | Published online on December 31, 2009 available at <a href="http://www.sciencemag.org/sciencexpress/">http://www.sciencemag.org/sciencexpress/</a><br>DOI:10.1126/science.1183844 |
| 39 | Temporal properties of GX 301-2 over a year-long observation with SuperAGILE                                | Y.Evangelista | ApJ                 | 708                   | 1663   | 2010 | 23/10/09   | 18/11/09     | <a href="http://arxiv.org/abs/0911.3743v2">arXiv:0911.3743v2</a> |   |
| 38 | Power for dry BL Lacertae objects   | A.Paggi       | A&A                 | 508                   | L31    | 2009 | 28/10/09   | 16/11/09     | <a href="http://arxiv.org/abs/0911.3172v3">arXiv:0911.3172v3</a> |   |
| 37 | Multiwavelength observations of 3C 454.3. II The AGILE 2007 December campaign                               | I.Donnarumma  | ApJ                 | 707                   | 1115   | 2009 | 23/06/09   | 23/10/09     | <a href="http://arxiv.org/abs/0910.4883">arXiv:0910.4883</a>     | available online at <a href="http://stacks.iop.org/0004-637X/707/1115">http://stacks.iop.org/0004-637X/707/1115</a>   |
| 36 | Multiwavelength observations of a TeV-flare from W Comae  | V.A.Acciari   | ApJ                 | 707                   | 612    | 2009 | 10/08/09   | 22/10/09     |  |   |
| 35 | Monitoring the hard X-ray sky with SuperAGILE   | M.Feroci      | A&A                 | 510                   | A9     | 2010 | 23/07/09   | 21/10/09     | <a href="http://arxiv.org/abs/0910.4895v1">arXiv:0910.4895v1</a> |   |
| 34 | Powerful high energy emission of the remarkable BL Lac object S5 0716+714                                   | V.Vittorini   | ApJ Letters         | 706                   | 1433   | 2009 | 29/07/09   | 13/10/09     | <a href="http://arxiv.org/abs/0912.2216v1">arXiv:0912.2216v1</a> |   |
| 33 | Extreme particle acceleration in the microquasar Cygnus X-3   | M.Tavani      | Nature              | 462<br>Number<br>7273 | 620    | 2009 | 07/08/09   | 08/10/09     | <a href="http://arxiv.org/abs/0910.5344v1">arXiv:0910.5344v1</a> | Published online on November 22, 2009   |
| 32 | AGILE detection of a rapid gamma-ray flare from the blazar PKS 1510-089 during the GASP-WEBT monitoring     | F.D'Ammando   | A&A                 | 508                   | 181    | 2009 | 25/05/09   | 15/09/09     | <a href="http://arxiv.org/abs/0909.3484v1">arXiv:0909.3484v1</a> |   |
| 31 | Detection of the terrestrial gamma-ray flashes up to 40 MeV by the AGILE satellite                          | M.Marisaldi   | JGR                 | 115                   | A00E13 | 2010 | 30/05/09   | 11/09/09     |  |   |
| 30 | AGILE Detection of Delayed Gamma-Ray Emission from the Short Gamma-Ray Burst GRB 090510                     | A.Giuliani    | ApJ Letters         | 708                   | L84    | 2010 | 13/08/09   | 11/09/09     | <a href="http://arxiv.org/abs/0908.1908v1">arXiv:0908.1908v1</a> |   |
| 29 | SSC radiation in BL Lac sources, the end of the tether  | A.Paggi       | A&A                 | 504                   | 821    | 2009 | 16/07/09   | 12/07/09     | <a href="http://arxiv.org/abs/0907.2863v1">arXiv:0907.2863v1</a> |   |
| 28 | First AGILE Catalog of High Confidence Gamma-Ray Sources  | C. Pittori    | A&A                 | 506                   | 1563   | 2009 | 17/02/09   | 30/07/09     | <a href="http://arxiv.org/abs/0902.2959">arXiv:0902.2959</a>     |   |
| 27 | The Agile space mission   | M. Tavani     | Il Nuovo Saggiatore | 25                    | 41     | 2009 |            | 13/07/09     |  | available at <a href="http://www.sif.it/SIF/it/portal/attivita/saggiatore/econtents">http://www.sif.it/SIF/it/portal/attivita/saggiatore/econtents</a>                            |
| 26 | Detection of Gamma-Ray Emission from the Eta-Carinae Region   | M. Tavani     | ApJLetters          | 698                   | L142   | 2009 |            | 16/03/09     | <a href="http://arxiv.org/abs/0904.2736v2">arXiv:0904.2736v2</a> |   |
| 25 | Discovery of New Gamma-Ray Pulsars with AGILE   | A. Pellizzoni | ApJLetters          | 695                   | 115    | 2009 |            | 27/02/09     | <a href="http://arxiv.org/abs/0902.2959v2">arXiv:0902.2959v2</a> |   |
| 24 | MAGIC upper limits to the VHE gamma-ray flux of 3C 454.3  | H. Anderhub   | A&A                 | 498                   | 83     | 2009 |            | 06/02/09     | <a href="http://arxiv.org/abs/0811.1680v1">arXiv:0811.1680v1</a> |   |
| 23 | The June 2008 flare of Markarian 421 from optical to TeV energies   | I.Donnarumma  | ApJ                 | 691                   | L13    | 2009 |            | 04/12/08     | <a href="http://arxiv.org/abs/0812.1500v1">arXiv:0812.1500v1</a> |   |
| 22 | The AGILE Mission   | M. Tavani     | A&A                 | 502                   | 995    | 2009 |            | 27/11/08     | <a href="http://arxiv.org/abs/0807.4254">arXiv:0807.4254</a>     |   |
| 21 | High energy variability of 3C 273 during the AGILE multiwavelength campaign of December 2007 - January 2008 | L.Pacciani    | A&A                 | 494                   | 49     | 2009 |            | 26/10/08     | <a href="http://arxiv.org/abs/0811.0593">arXiv:0811.0593</a>     |   |
| 20 | AGILE observation of a gamma-ray flare from the blazar 3C 279   | A.Giuliani    | A&A                 | 494                   | 509    | 2009 |            | 10/10/08     | <a href="http://arxiv.org/abs/0810.2189">arXiv:0810.2189</a>     |   |

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|----|---|--------------|-------------|-------------|------|------|----------|---|
| 19 | <b>AGILE detection of intense gamma-ray emission from the blazar PKS 1510-089</b>                                 | G.Pucella    | A&A         | 491         | L21  | 2008 | 05/10/08 | <a href="https://arxiv.org/abs/0810.1676">arXiv:0810.1676</a>     |
| 18 | <b>High-Resolution Timing Observations of Spin-Powered Pulsars with the AGILE gamma-ray telescope</b>             | A.Pellizzoni | ApJ         | 691         | 1618 | 2009 | 5/10/08  | <a href="https://arxiv.org/abs/0810.1516">arXiv:0810.1516</a>     |
| 17 | <b>Discovery of High-Energy Gamma-Ray Pulsations from PSR J2021+3651 with AGILE</b>                               | J.P.Halpern  | ApJ Letters | 688         | L33  | 2008 | 30/09/08 | <a href="https://arxiv.org/abs/0810.0008">arXiv:0810.0008</a>     |
| 16 | <b>The two INTEGRAL X-ray transients IGR J17091-3624 and IGR J17098-3628:a multiwavelength long-term campaign</b> | F.Capitaniao | ApJ         | 690         | 1621 | 2008 | 12/09/08 | <a href="https://arxiv.org/abs/0809.2180">arXiv:0809.2180</a>     |
| 15 | <b>Multiwavelength observations of 3C 454.3. I. The AGILE 2007 November campaign on the "Crazy Diamond"</b>       | S.Vercellone | ApJ         | 690         | 1018 | 2009 | 09/09/08 | <a href="https://arxiv.org/abs/0809.1737">arXiv:0809.1737</a>     |
| 14 | <b>AGILE detection of delayed gamma-ray emission from GRB 080514B</b>   | A.Giuliani   | A&A         | 491         | L25  | 2008 | 08/09/08 | <a href="https://arxiv.org/abs/0809.1230">arXiv:0809.1230</a>     |
| 13 | <b>Design and construction of the Mini-Calorimeter of the AGILE satellite</b>                                     | C.Labanti    | NIM A       | 598         | 470  | 2009 | 04/09/08 | <a href="https://arxiv.org/abs/0810.1842">arXiv:0810.1842</a>     |
| 12 | <b>AGILE detection of variable gamma-ray activity from the blazar S5 0716+714 in September-October 2007</b>       | A.Chen       | A&A         | 489         | L37  | 2008 | 18/08/08 | <a href="https://arxiv.org/abs/0808.4053">arXiv:0808.4053</a>     |
| 11 | <b>Gamma-ray burst detection with the AGILE mini-calorimeter</b>  | M.Marisaldi  | A&A         | 490         | 1151 | 2008 | 13/08/08 | <a href="https://arxiv.org/abs/0809.3917">arXiv:0809.3917</a>     |
| 10 | <b>Long-term AGILE monitoring of the puzzling gamma-ray source 3EG J1835+5918</b>                                 | A.Bulgarelli | A&A         | 489         | L17  | 2008 | 13/08/08 | <a href="https://arxiv.org/abs/0808.3464">arXiv:0808.3464</a>     |
| 9  | <b>The AGILE space mission</b>  | M.Tavani     | NIM A       | 588         | 52   | 2008 | 26/07/08 | <a href="https://arxiv.org/abs/0807.4254v1">arXiv:0807.4254v1</a> |
| 8  | <b>AGILE and Swift simultaneous observations of the blazar S50716+714 during the bright flare of October 2007</b> | P.Giommi     | A&A         | 487         | L49  | 2008 | 11/06/08 | <a href="https://arxiv.org/abs/0806.1855">arXiv:0806.1855</a>     |
| 7  | <b>Imaging X-ray sources at a finite distance in coded-mask instruments</b>                                       | I.Donnarumma | Ap Opt      | 47          | 3513 | 2008 | 23/05/08 | <a href="https://arxiv.org/abs/0807.0518v1">arXiv:0807.0518v1</a> |
| 6  | <b>The high activity of 3C 454.3 in autumn 2007. Monitoring by the WEBT during the AGILE detection</b>            | C.M.Raiteri  | A&A         | 485         | L17  | 2008 | 09/05/08 | <a href="https://arxiv.org/abs/0805.1983v1">arXiv:0805.1983v1</a> |
| 5  | <b>Threshold equalization algorithm for the XAA1.2 ASICs and its application to SuperAGILE X-ray imager</b>       | L.Pacciani   | NIM A       | 593 Issue 3 | 367  | 2008 | 02/05/08 |   |
| 4  | <b>Multifrequency monitoring of the blazar 0716+714 during the GASP-WEBT-AGILE campaign of 2007</b>               | M.Villata    | A&A         | 481         | L79  | 2008 | 15/02/08 | <a href="https://arxiv.org/abs/0802.3012v2">arXiv:0802.3012v2</a> |
| 3  | <b>AGILE detection of a strong gamma-ray flare from the blazar 3C 454.3</b>                                       | S.Vercellone | ApJ Letters | 676         | L13  | 2008 | 08/02/08 | <a href="https://arxiv.org/abs/0802.1709">arXiv:0802.1709</a>     |
| 2  | <b>GRB 070724B: the first Gamma Ray Burst localized by SuperAGILE and its Swift X-ray afterglow</b>               | E.Del Monte  | A&A         | 478         | L5   | 2008 | 04/12/07 | <a href="https://arxiv.org/abs/0712.0500v1">arXiv:0712.0500v1</a> |
| 1  | <b>SuperAGILE: the hard X-ray imager for the AGILE space mission</b>  | M.Feroci     | NIM A       | 581         | 728  | 2007 | 30/07/07 | <a href="https://arxiv.org/abs/0708.0123">arXiv:0708.0123</a>     |

## AGILE scientific papers II: Conference Proceedings papers

|    |   | First Author | Journal                  | Vol. | Pag.   | Year | Subm. date | Accept. date | arXiv [astro-ph]   |   |
|----|---|--------------|--------------------------|------|--------|------|------------|--------------|--|---|
| 24 | <b>The AGILE Mission: the first 2 years</b>   | M.Tavani     | Nuc Phys B               |      |        |      | 11/12/09   |              |  | Proceedings of RICAP 2009 May 13-15, 2009 Monteporzio, Rome   |
| 23 | <b>Gamma-Ray Astrophysics and Terrestrial Physics with the AGILE Mission</b>            | M.Tavani     | Proceedings of ICRC 2009 |      |        |      | 09/12/09   |              |  | Proceedings of 31st ICRC July 7-15, 2009 Lodz, Poland   |
| 22 | <b>Multiwavelength campaigns on the flaring gamma-ray blazars detected by AGILE</b>     | L.Pacciani   | AIP Conf. Ser.           |      |        |      | 02/12/09   |              |  | Proceedings of X-Ray Astronomy 2009, September 7-11, 2009 Bologna Italy   |
| 21 | <b>Not only once: the amazing gamma-ray activity of the blazar PKS 1510-089</b>         | F.D'Ammando  | ASP Conf. Series         |      |        |      | 06/10/09   |              | <a href="http://arxiv.org/abs/0910.0966v1">arXiv:0910.0966v1</a> | Proceedings of "Accretion and ejection in AGN: a global view" June 22-26, 2009 Como Italy   |
| 20 | <b>Gamma-ray galactic diffuse emission and SNR studies by AGILE</b>                     | A.Giuliani   | Proceedings of ICRC 2009 |      |        |      |            |              |  | Proceedings of 31st ICRC July 7-15, 2009 Lodz Poland  |
| 19 | <b>Agile detection of three extragalactic sources in Dec 2007- Jan 2008</b>             | L.Pacciani   | ASP Conf. Series         |      |        |      |            |              |  | Proceedings of "Accretion and ejection in AGN: a global view" June 22-26, 2009 Como Italy   |
| 18 | <b>Long-term gamma-ray and multiwavelength observation of 3C 454.3</b>                  | S.Vercellone | ASP Conf. Series         |      |        |      | 28/10/09   |              | <a href="http://arxiv.org/abs/0910.5325v1">arXiv:0910.5325v1</a> | Proceedings of "Accretion and ejection in AGN: a global view" June 22-26, 2009 Como Italy   |
| 17 | <b>Multiwavelength behavior of blazars in the Agile era</b>                             | S.Vercellone | Mem. S. A. It.           |      |        |      | 28/10/09   |              | <a href="http://arxiv.org/abs/0910.5328v1">arXiv:0910.5328v1</a> | Proceedings of Frascati Workshop 2009 "Multifrequency behaviour of high energy cosmic sources" May 25-30, 2009 Vulcano, Italy                 |
| 16 | <b>Galactic Sources Science With Agile: The Case Of The Carina Region</b>               | S.Sabatini   | Nuc Phys B               |      |        |      | 03/09/09   |              |  | Proceedings of RICAP 2009 May 13-15, 2009 Monteporzio, Rome   |
| 15 | <b>The observation of Gamma Ray Bursts and Terrestrial Gamma-ray Flashes with AGILE</b> | E.Del Monte  | Nuc Phys B               |      |        |      | 27/07/09   |              |  | Proceedings of RICAP 2009 May 13-15, 2009 Monteporzio, Rome   |
| 14 | <b>Simultaneous multi-frequency observations of PG 1553+113</b>                         | E.Pian       | Proceedings of ICRC 2009 |      |        |      | 04/07/09   |              | <a href="http://arxiv.org/abs/0907.0740v2">arXiv:0907.0740v2</a> | Proceedings of 31st ICRC 2009 July 7-15, 2009 Lodz, Poland  |
| 13 | <b>AGILE and blazar studies</b>   | M.Marisaldi  | Proceedings of ICRC 2009 |      |        |      | 08/06/09   |              | <a href="http://arxiv.org/abs/0906.1451v1">arXiv:0906.1451v1</a> | Proceedings of 31st ICRC 2009 July 7-15, 2009 Lodz, Poland  |
| 12 | <b>Blazars: the gamma-ray view of AGILE</b>   | F.D'Ammando  | Proceedings of the 44th  |      |        |      | 03/05/09   |              | <a href="http://arxiv.org/abs/0905.0253v1">arXiv:0905.0253v1</a> | Proceedings of the 44th Rencontres de Moriond February 1-   |
| 11 | <b>The Mini-Calorimeter on-board AGILE: the first year in space</b>                     | M.Marisaldi  | J. Phys. Conf. Ser.      | 160  | 012040 | 2009 |            |              |  | Proceedings of CALOR 2008 May 26-30, 2008 Pavia   |
| 10 | <b>Observations of Spin-Powered Pulsars with the AGILE gamma-ray telescope</b>          | A.Pellizzoni | AIP Conf. Ser.           | 1085 | 207    | 2008 |            | 24/12/08     |  | Proceedings of the 4th International Meeting on High Energy Gamma-Ray Astronomy July 7-11, 2008 Heidelberg, Germany                           |
| 9  | <b>Joint INTEGRAL and AGILE observations of FSRQs</b>                                   | I.Donnarumma | POS                      |      | 60     | 2008 |            | 11/09/08     |  | Proceedings of the 7th Integral Workshop Sept. 8-11, 2008 Copenhagen, Denmark online at <a href="http://pos.sissa.it">http://pos.sissa.it</a> |

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| 8 | <b>AGILE detection of variable gamma-ray activity from the blazar S5 0716+714 during September-October 2007</b> | F.D'Ammando   | POS                      |    | 33  | 2008 |  | 27/08/08 | <a href="http://arxiv.org/abs/0808.3673">arXiv:0808.3673</a> | Proceedings of the Workshop on Blazar Variability across the Electromagnetic Spectrum April 22-25, 2008 Palaiseau, France online at <a href="http://pos.sissa.it">http://pos.sissa.it</a> |
| 7 | <b>AGILE Observation of Gamma Ray Variability of 3C 273 with AGILE during the MWL campaign of Dec 2007</b>      | L.Pacciani    | POS                      |    | 54  | 2008 |  | 25/04/08 |  | Proceedings of the Workshop on Blazar Variability across the Electromagnetic Spectrum April 22-25, 2008 Palaiseau, France online at <a href="http://pos.sissa.it">http://pos.sissa.it</a> |
| 6 | <b>The mini-calorimeter of the AGILE satellite</b>  | M.Marisaldi   | Frascati Physics Series  | 45 | 209 | 2007 |  | 04/12/07 | <a href="http://arxiv.org/abs/0712.1548">arXiv:0712.1548</a> | Proceedings of the 5th Scineghe Workshop "Science with the new generation high energy gamma-ray experiments" June 18-20, 2007 Monteporzio, Rome   |
| 5 | <b>The localization of gamma-ray burst by SuperAGILE on board AGILE</b>   | E.Del Monte   | Frascati Physics Series  | 45 | 201 | 2007 |  | 04/12/07 | <a href="http://arxiv.org/abs/0712.1548">arXiv:0712.1548</a> | Proceedings of the 5th Scineghe Workshop "Science with the new generation high energy gamma-ray experiments" June 18-20, 2007 Monteporzio, Rome   |
| 4 | <b>SuperAGILE: two months in orbit</b>  | M.Feroci      | Frascati Physics Series  | 45 | 31  | 2007 |  | 04/12/07 | <a href="http://arxiv.org/abs/0712.1548">arXiv:0712.1548</a> | Proceedings of the 5th Scineghe Workshop "Science with the new generation high energy gamma-ray experiments" June 18-20, 2007 Monteporzio, Rome   |
| 3 | <b>The AGILE Silicon Tracker</b>  | G.Barbiellini | Frascati Physics Series  | 45 | 25  | 2007 |  | 04/12/07 | <a href="http://arxiv.org/abs/0712.1548">arXiv:0712.1548</a> | Proceedings of the 5th Scineghe Workshop "Science with the new generation high energy gamma-ray experiments" June 18-20, 2007 Monteporzio, Rome   |
| 2 | <b>AGILE in orbit</b>   | M.Tavani      | Frascati Physics Series  | 45 | 1   | 2007 |  | 04/12/07 | <a href="http://arxiv.org/abs/0712.1548">arXiv:0712.1548</a> | Proceedings of the 5th Scineghe Workshop "Science with the new generation high energy gamma-ray experiments" June 18-20, 2007 Monteporzio, Rome   |
| 1 | <b>Gamma-ray blazars: the combined AGILE and MAGIC views</b>  | M.Persic      | Proceedings of ICRC 2007 | 3  | 917 | 2007 |  | 12/09/07 | <a href="http://arxiv.org/abs/0709.1881">arXiv:0709.1881</a> | Proceedings of ICRC 2007 July 3-11, 2007 Mérida Mexico ed. Rogelio Caballero et al., 2008   |