

INAF-Osservatorio Astronomico di Trieste

Elenco pubblicazioni referate 2009

- 1) Buttiglione, S.; Celotti, A.; Capetti, A.; Dallacasa, D.; **D'Odorico, V.**; Giovannini, G. (2009) Optical spectra of 15 Low Luminosity Compact Sources and the formation of jets, *Astronomische Nachrichten*, 330, 237
- 2) Albert, J.; Aliu, E.; Anderhub, H.; Antoranz, P.; Baixeras, C.; Barrio, J. A.; Bartko, H.; Bastieri, D.; Becker, J. K.; (...); **Persic, M.** et al. (2009) MAGIC observations of PG 1553+113 during a multiwavelength campaign in July 2006, *A&A*, 493, 467
- 3) Aliu, E.; Anderhub, H.; Antonelli, L. A.; Antoranz, P.; Backes, M.; Baixeras, C.; Barrio, J. A.; Bartko, H.; (...); **Persic, M.** et al. (2009), Improving the performance of the single-dish Cherenkov telescope MAGIC through the use of signal timing, *APh*, 30, 293A
- 4) Donnarumma, I.; Vittorini, V.; Vercellone, S.; Monte, E. Del; Feroci, M.; D'Ammando, F.; Pacciani, L.; Chen, A. W.; (...); **Persic, M.** et al. (2009), The June 2008 Flare of Markarian 421 from Optical to TeV Energies, *ApJ Lett.*, 691L, 13
- 5) Frontera, F.; Guidorzi, C.; Montanari, E.; Rossi, F.; Costa, E.; Feroci, M.; **Calura, F.**; Rapisarda, M.; Amati, L. et al. (2009) The Gamma-Ray Burst Catalog Obtained with the Gamma-Ray Burst Monitor Aboard BeppoSAX
- 6) Fontanot, F.; Somerville, R. S.; **Silva, L.**; **Monaco, P.**; Skibba, Ramin (2009) Evaluating and improving semi-analytic modelling of dust in galaxies based on radiative transfer calculations, *MNRAS*, 392, 553
- 7) Saro, A.; **Borgani, S.**; Tornatore, L.; **De Lucia, G.**; Dolag, K.; Murante, G (2009) Simulating the formation of a protocluster at $z \sim 2$, *MNRAS*, 392, 795
- 8) Clemens, M. S.; Bressan, A.; Panuzzo, P.; Rampazzo, R.; **Silva, L.**; Buson, L.; **Granato, G. L.** (2009) The mid-infrared colour-magnitude relation of early-type galaxies in the Coma cluster as measured by Spitzer-IRS, *MNRAS*, 392, 982
- 9) **Borgani, S.**; **Viel, M.** (2009), The evolution of a pre-heated intergalactic medium, *MNRAS*, 392, 26
- 10) Popesso, P.; Dickinson, M.; **Nonino, M.**; **Vanzella, E.**; Daddi, E.; Fosbury, R. A. E.; Kuntschner, H.; Mainieri, V.; **Cristiani, S.** (2009) The great observatories origins deep survey. VLT/VIMOS spectroscopy in the GOODS-south field, *A&A*, 494, 443
- 11) **Chiappini, C.**; Górný, S. K.; Stasińska, G.; Barbuy, B. (2009), Abundances in the Galactic bulge: results from planetary nebulae and giant stars, *A&A*, 494, 591
- 12) Andrievsky, S. M.; Spite, M.; Korotin, S. A.; Spite, F.; François, P.; **Bonifacio, P.**; Cayrel, R.; Hill, V. (2009), Evolution of the barium abundance in the early Galaxy from a NLTE analysis of the Ba lines in a homogeneous sample of EMP stars, *A&A*, 494, 1083

- 13) Tanaka, M.; Tominaga, N.; Nomoto, K.; Valenti, S.; Sahu, D. K.; Minezaki, T.; Yoshii, Y.; Yoshida, M (...); **Pian, E.** (2009) Type Ib Supernova 2008D Associated With the Luminous X-Ray Transient 080109: An Energetic Explosion of a Massive Helium Star, *ApJ*, 692, 1131
- 14) Aliu, E.; Anderhub, H.; Antonelli, L. A.; Antoranz, P.; Backes, M.; Baixeras, C.; Balestra, S.; Barrio, J. A.; (...); **Persic, M.** (2009), Discovery of a Very High Energy Gamma-Ray Signal from the 3C 66A/B Region, *ApJ*, 692, 29
- 15) Widemann, T.; Sicardy, B.; Dusser, R.; Martinez, C.; Beisker, W.; Bredner, E.; Dunham, D.; Maley, P.; Lellouch, E.; (...) **Cremaschini, C.**; et al. (2009) Titania's radius and an upper limit on its atmosphere from the September 8, 2001 stellar occultation, *Icar*, 199, 458
- 16) Chaufray, J. Y.; **Leblanc, F.**; Quémerais, E.; Bertaux, J. L (2009), Martian oxygen density at the exobase deduced from O I 130.4-nm observations by Spectroscopy for the Investigation of the Characteristics of the Atmosphere of Mars on Mars Express, *JGRE*, 114, p ?
- 17) Cava, A.; Bettoni, D.; Poggianti, B. M.; Couch, W. J.; Moles, M.; Varela, J.; **Biviano, A.**; D'Onofrio, M.; (...); **Ramella, M.** et al. (2009), WINGS-SPE Spectroscopy in the WIDE-field Nearby Galaxy-cluster Survey, *A&A*, 495, 707
- 18) **Leblanc, F.**; Monin, D.; Hui-Bon-Hoa, A.; Hauschildt, P. H. (2009) Stellar model atmospheres with abundance stratification, *A&A*, 495, 937
- 19) Bianchin, V.; Foschini, L.; Ghisellini, G.; Tagliaferri, G.; Tavecchio, F.; Treves, A.; di Cocco, G.; Gliozzi, M.; **Pian, E.**; Sambruna, R. M.; Wolter, A. (2009), The changing look of PKS 2149-306, *A&A*, 496, 423
- 20) **Messerotti, M.**; Chela-Flores, J (2009) Solar Activity and life: a review, *AcGeo*, 57, 64
- 21) Delcourt, D.; Saito, Y.; Illiano, J.-M.; Krupp, N.; Berthelier, J.-J.; Fontaine, D.; Fraenz, M.; **Leblanc, F.**; Fischer, H.; et al. (2009) The Mass Spectrum analyzer (MSA) onboard BEPI COLOMBO MMO: Scientific objectives and prototype results, *AdSpR*, 43, 869
- 22) Albert, J.; Aliu, E.; Anderhub, H.; Antonelli, L. A.; Antoranz, P.; Backes, M.; Baixeras, C.; Barrio, J. A.; Bartko, H.; (...); **Persic, M.** et al (2009) Periodic very high energy γ -Ray Emission from LS I +61°303 Observed with the MAGIC Telescope, *ApJ*, 693, 303
- 23) **Calura, F.**; Deassaugess-Zavadski, M.; Prochaska, J X; **Matteucci, F.** (2009), Constraining the Star Formation Histories of Gamma-ray Burst Host Galaxies from their Observed Abundance Patterns, *ApJ*, 693, 1236
- 24) Padovani, P.; Mainieri, V.; **Tozzi, P.**; Kellermann, K. I.; Fomalont, E. B.; Miller, N.; Rosati, P.; Shaver, P. (2009), The Very Large Array Survey of the Chandra Deep Field South. IV. Source Population, *ApJ*, 694, 235
- 25) Cimatti, A.; Robberto, M.; Baugh, C.; Beckwith, S. V. W.; Content, R.; Daddi, E.; **De Lucia, G.**; (...); **Pasian, F.**; (...); **Cristiani, S.**; (...); **Magliocchetti, M.**; (...); **Pian, E.**; (...) **Zacchei, A.** et al. (2009) SPACE: the spectroscopic all-sky cosmic explorer, *ExA*, 23, 39

- 26) Piro, L.; den Herder, J. W.; Ohashi, T.; Amati, L.; Atteia, J. L.; Barthelmy, S.; Barbera, M.; Barret, D.; Basso, S.; (...); **Borgani, S.**; (...); **Girardi, M.**; (...); **Tozzi, P.**; (...); **Viel, M.** et al. (2009), EDGE: Explorer of diffuse emission and gamma-ray burst explosions
- 27) Greiner, J.; Iyudin, A.; Kanbach, G.; Zoglauer, A.; Diehl, R.; Ryde, F.; Hartmann, D.; Kienlin, A. V.; McBreen, S (...); **Pian, E.** et al. (2009) Gamma-ray burst investigation via polarimetry and spectroscopy (GRIPS), ExA, 23, 91
- 28) Boulanger, F.; Maillard, J. P.; Appleton, P.; Falgarone, E.; Lagache, G.; Schulz, B.; Wakker, B. P.; Bressan, A.; (...); **Granato, G. L.**; (...) **Silva, L.** et al. (2009), The molecular hydrogen explorer H2EX , ExA, 23, 277
- 29) Langlais, B.; **Leblanc, F.**; Fouchet, T.; Barabash, S.; Breuer, D.; Chassefière, E.; Coates, A.; Dehant, V.; Forget, F. et al. 2009, Mars environment and magnetic orbiter model payload
- 30) Küppers, Michael; Keller, H. U.; Kührt, E.; A'Hearn, M. F.; Altwegg, K.; Bertrand, R.; Busemann, H.; Capria, M. T.; (...) Fulle, M.; (2009) Triple F- a comet nucleus sample return mission, ExA, 23, 809
- 31) Désesquelles, P.; Ha, T. M. H.; Korichi, A.; **Leblanc, F.**; Petrache, C. M.; (2009) RESEARCH NOTE FROM COLLABORATION: NNLC: non-negative least chi-square minimization and application to HPGe detectors, JPhG, 36 ?
- 32) **Viel, M.**; Branchini, E.; Dolag, K.; Grossi, M.; Matarrese, S.; Moscardini, L. (2009) Primordial non-Gaussianities in the intergalactic medium, MNRAS, 393, 774
- 33) Crociani, D.; Moscardini, L.; **Viel, M.**; Matarrese, S. (2009), The effects of primordial non-Gaussianities on the cosmological reionization, MNRAS, 394, 133
- 34) de Angelis, A.; Mansutti, O.; **Persic, M.**; Roncadelli, M. (2009) Photon propagation and the very high energy γ -ray spectra of blazars: how transparent is the Universe?, MNRAS, 394, 21
- 35) Schurer, A.; Calura, F.; Silva, L.; Pipino, A.; Granato, G. L.; Matteucci, F.; Maiolino, R. (2009), Modelling the effects of dust evolution on the SEDs of galaxies of different morphological type, MNRAS, 286
- 36) Doressoundiram, A.; **Leblanc, F.**; Foellmi, C.; Erard, S (2009) Metallic species in Mercury's Exosphere: EMMI/New Technology Telescope Observations, AJ, 137...
- 37) **Messerotti, M.**; (2009) TSRS as a Solar Radio Noise Monitor for Communication and Navigation Systems, EM&P, 104, 51
- 38) **Messerotti, M.**; Baccomi, R.; Iugovaz, D.; Lilensten, J. (2009) A Terrella Device for Simulating Aurora-Like Phenomena in a Box, EM &P, 104, 55
- 39) **Messerotti, M.**; Ritschel, B. (2009) The Electronic Geophysical Year (eGY) in Europe: Organization and Activities, EM&P, 104, 59
- 40) Overzier, R.A.; Guo, Q.; Kauffmann, G; **De Lucia, G.**; Bouwens, R.; Lemson, G. (2009) Λ CDM predictions of galaxy protoclusters – I. The relation between galaxies, protoclusters and quasars at $z \sim 6$, MNRAS, 394, 577

- 41) Pipino, A.; Silk, J.; **Matteucci, F.** (2009) Supermassive black holes, star formation and downsizing of elliptical galaxies, MNRAS, 392, 475
- 42) Boschin, W.; Barrena, R.; **Girardi, M.** (2009) Internal dynamics of the galaxy cluster Abell 959, A&A, 495, 15
- 43) Colavitti, E.; Cescutti, G.; **Matteucci, F.**; Murante, G. (2009) The origin of abundance gradients in the Milky Way: the predictions of different models, A&A, 496, 429
- 44) Ameglio, S.; **Borgani, S.**; Pierpaoli, E.; Dolag, K.; Etori, S.; Morandi, A. (2009) Reconstructing mass profiles of simulated galaxy clusters by combining Sunyaev-Zeldovich and X-Ray images, MNRAS, 394, 479
- 45) Kimm, T.; Somerville, R. S.; Yi, S. K.; van der Bosch, F. C. ; Salim, S.; Fontanot, F.; **Monaco, P.**; Mo, H.; Pasquali, A.; Rich, R.M.; Yang, X. (2009), The correlation of star formation quenching with internal galaxy properties and environment, MNRAS, 394, 1131
- 46) Fontanot, F., Somerville, R.S.; **Silva, L.**; Monaco, P.; Skibba, R. (2009) Evaluating and improving semi-analytic modelling of dust in galaxies based on radiative transfer calculations, MNRAS, 392, 553
- 47) Borgani, S.; **Viel, M.** (2009) The evolution of a pre-heated intergalactic medium, MNRAS, 392L, 774
- 48) Widemann, T.; Sicardy, B.; Dusser, R.; Martinez, C.; Beisker, W.; Bredner, E.; Dunham, D.; Maley, P.; Lellouch, E.; Arlot, J.-E.; (...) **Cremašchini, C.** et al (2008) Titania's radius and an upper limit on its atmosphere from the September 8, 2001 stellar occultation, Icar, 199, 458
- 49) Belehaki, A.; Watermann, J.; Liliensten, J.; Glover, A.; Hapgood, M.; **Messerotti, M.**; van der Linden, R.; Lundstedt, H. (2009) Renewed Support Dawns in Europe: An Action to Develop Space Weather Products and Services, SpWea, 7, ID S0300
- 50) González Hernández, J. I.; **Bonifacio, P.** (2009) A new implementation of the infrared flux method using the 2MASS catalogue, A&A, 497, 497
- 51) Barazza, F. D.; Jablonka, P.; Desai, V.; Jogee, S.; Aragón-Salamanca, A.; **De Lucia, G.**; Saglia, R. P.; Halliday, C.; Poggianti, B. M.; Dalcanton, J. J. et al. (2009) Frequency and properties of bars in cluster and field galaxies at intermediate redshifts, A&A, 497, 713
- 52) Anderhub, H.; Antonelli, L. A.; Antoranz, P.; Backes, M.; Baixeras, C.; Balestra, S.; Barrio, J. A.; Bartko, H.; Bastieri, D.; Becerra González, J. (...); **Persic, M.** et al (2009) MAGIC upper limits to the VHE gamma-ray flux of 3C 454.3 in high emission state, A&A, 498, 83
- 53) Vanzella, E.; Giavalisco, M.; Dickinson, M.; Cristiani, S.; Nonino, M.; Kuntschner, H.; Popesso, P.; Rosati, P.; Renzini, A.; Stern, D. et al (2009) Spectroscopic Observations of Lyman Break Galaxies at Redshifts ~4, 5, and 6 in the Goods-South Field, ApJ, 137, 3859
- 54) Buote, David A.; **Zappacosta, Luca**; Fang, Taotao; Humphrey, Philip J.; Gastaldello, Fabio; Tagliaferri, Gianpiero (2009) X-Ray Absorption by WHIM in the Sculptor Wall, ApJ, 695, 1351

- 55) Abdo, A. A.; Ackermann, M.; Atwood, W. B.; Baldini, L.; Ballet, J.; Barbiellini, G.; Baring, M. G.; Bastieri, D.; Baughman, B. M.; Bechtol, K (...); **Frailis, M.**; et al (2009) Discovery of Pulsed γ -Rays from the Young Radio Pulsar PSR J1028–5819 with the Fermi Large Area Telescope, *ApJ*, 695, 72
- 56) **Leblanc, F.**; Doressoundiram, A.; Schneider, N.; Massetti, S.; Wedlund, M.; López Ariste, A.; Barbieri, C.; Mangano, V.; Cremonese, G. (2009) Short-term variations of Mercury's Na exosphere observed with very high spectral resolution, *GeoRL*, 36 ID L07201
- 57) Xia, Jun-Qing; **Viel, Matteo** (2009), Early dark energy at high redshifts: status and perspectives, *JCAP*, 4, 002
- 58) Chiaberge, M.; Tremblay, G.; Capetti, A.; Macchetto, F. D.; **Tozzi, P.**; Sparks, W. B, Low-Power Radio Galaxies in the Distant Universe: A Search for FR I at $1 < z < 2$ in the Cosmos Field, *ApJ*, 696, 1103
- 59) Iannicola, G.; Monelli, M.; Bono, G.; Stetson, P. B.; Buonanno, R.; Calamida, A.; Zoccali, M.; Caputo, F.; Castellani, M.; Corsi, C. E (...); **Nonino, M.**, et al. (2009) On the Radial Distribution of Horizontal Branch Stars in NGC 2808, *ApJ*, 696, L1201
- 60) Aharonian, F.; Akhperjanian, A. G.; Anton, G.; Barres de Almeida, U.; Bazer-Bachi, A. R.; Becherini, Y.; Behera, B.; Bernlöhr, K.; Boisson, C.; Bochow, A (...); **Frailis, M.**; et al (2009) Simultaneous Observations of PKS 2155–304 with HESS, Fermi, RXTE, and Atom: Spectral Energy Distributions and Variability in a Low State, *ApJ*, 696L, 150
- 61) Branchini, E.; Ursino, E.; Corsi, A.; Martizzi, D.; Amati, L.; den Herder, J. W.; Galeazzi, M.; Gendre, B.; Kaastra, J.; Moscardini, L (...); **Viel, M.** et al (2009) Studying the Warm Hot Intergalactic Medium with Gamma-Ray Bursts, *ApJ*, 697, 328
- 62) de Rossi, Maria E.; Tissera, Patricia B.; **De Lucia, G.**; Kauffmann, Guinevere (2009) Milky Way type galaxies in a Λ CDM cosmology, *MNRAS*, 395, 210
- 63) Abdo, A. A.; Ackermann, M.; Arimoto, M.; Asano, K.; Atwood, W. B.; Axelsson, M.; Baldini, L.; Ballet, J (...); **Frailis, M.** et al. (2009) Fermi Observations of High-Energy Gamma-Ray Emission from GRB 080916C, *Sci*, 323, 1688
- 64) Caffau, E.; Maiorca, E.; **Bonifacio, P.**; **Faraggiana, R.**; Steffen, M.; Ludwig, H.-G.; Kamp, I.; Busso, M. (2009) The solar photospheric nitrogen abundance. Analysis of atomic transitions with 3D and 1D model atmospheres, *A&A*, 498, 877
- 65) Sánchez-Blázquez, P.; Jablonka, P.; Noll, S.; Poggianti, B. M.; Moustakas, J.; Milvang-Jensen, B.; Halliday, C.; Aragón-Salamanca, A.; Saglia, R. P. (...); **De Lucia, G.** et al (2009) Evolution of red-sequence cluster galaxies from redshift 0.8 to 0.4: ages, metallicities, and morphologies, *A&A*, 499, 47
- 66) Smiljanic, R.; Pasquini, L.; **Bonifacio, P.**; Galli, D.; Gratton, R. G.; Randich, S.; Wolff, B. (2009) Beryllium abundances and star formation in the halo and in the thick disk, *A&A*, 499, 103
- 67) Colavitti, E.; Pipino, A.; Matteucci, F. (2009) Cosmological Formation and chemical evolution of an elliptical galaxy, *A&A*, 499, 409

- 68) Pace, G.; Melendez, J.; Pasquini, L.; Carraro, G.; **Danziger, J.**; François, P.; **Matteucci, F.**; Santos, N. C. (2009) An investigation of chromospheric activity spanning the Vaughan-Preston gap: impact on stellar ages, *A&A*, 499, 9
- 69) Abdo, A. A.; Ackermann, M.; Atwood, W. B.; Axelsson, M.; Baldini, L.; Ballet, J.; Barbiellini, G.; Bastieri, D.; (...); **Frailis, M.** et al. (2009) Fermi/Large Area Telescope Discovery of Gamma-Ray Emission from the Flat-Spectrum Radio Quasar PKS 1454–354, *ApJ*, 697, 934
- 70) Boyarsky, A.; Lesgourgues, J.; Ruchayskiy, O.; **Viel, M.** (2009) Lyman- α constraints on warm and on warm-plus-cold dark matter models, *JCAP*, 05, 012
- 71) Abdo, A. A.; Ackermann, M.; Ajello, M.; Atwood, W. B.; Axelsson, M.; Baldini, L.; Ballet, J.; Barbiellini, G.; Bastieri, D.; (...); **Frailis, M.** et al. (2009) Measurement of the Cosmic Ray e^+e^- Spectrum from 20GeV to 1TeV with the Fermi Large Area Telescope, *PhRvL*, 102, 18
- 72) Boyarsky, A.; Lesgourgues, J.; Ruchayskiy, O.; **Viel, M.** (2009), Realistic Sterile Neutrino Dark Matter with KeV Mass does not Contradict Cosmological Bounds, *PhRvL*, 102, 20
- 73) Dietrich, J. P.; **Biviano, A.**; Popesso, P.; Zhang, Y.-Y.; Lombardi, M.; Böhringer, H (2009), Weak lensing observations of potentially X-ray underluminous galaxy clusters, *A&A*, 499, 669
- 74) Recchi, S.; **Calura, F.**; Kroupa, P. (2009) The chemical evolution of galaxies within the IGIMF theory: the $[\alpha/\text{Fe}]$ ratios and downsizing, *A&A*, 499, 711
- 75) Hubrig, S.; **Castelli, F.**; de Silva, G.; González, J. F.; Momany, Y.; Netopil, M.; Moehler, S. (2009), A high-resolution study of isotopic composition and chemical abundances of blue horizontal branch stars in the globular clusters NGC 6397 and NGC 6752, *A&A*, 499, 865
- 76) Braglia, F. G.; Pierini, D.; Biviano, A.; Böhringer, H. (2009), Multi-wavelength study of X-ray luminous clusters at $z \sim 0.3$. I. Star-formation activity of cluster galaxies, *A&A*, 500, 947
- 77) Górny, S. K.; **Chiappini, C.**; Stasińska, G.; Cuisinier, F. (2009), Planetary nebulae in the direction of the Galactic bulge: on nebulae with emission-line central stars, *A&A*, 500, 1089
- 78) Aliu, E.; Anderhub, H.; Antonelli, L. A.; Antoranz, P.; Backes, M.; Baixeras, C.; Balestra, S.; Barrio, J. A.; (...); **Persic, M.** (2009), Upper Limits on the VHE Gamma-Ray Emission from the Willman 1 Satellite Galaxy with the Magic Telescope, *ApJ*, 697, 1299
- 79) Poggianti, B. M.; Fasano, G.; Bettoni, D.; Cava, A.; Dressler, A.; **Vanzella, E.**; Varela, Jesus; Couch, Warrick J. et al. (2009), The Evolution of Spiral, S0, and Elliptical Galaxies in Clusters, *ApJ*, 697, 137
- 80) Tozzi, P.; Mainieri, V.; Rosati, P.; Padovani, P.; Kellermann, K. I.; Fomalont, E.; Miller, N.; Shaver, P.; (...); **Nonino, M.** et al. (2009) The VLA Survey of the Chandra Deep Field-South. III. X-Ray Spectral Properties of Radio Sources, *ApJ*, 698, 740
- 81) Tavani, M.; Sabatini, S.; **Pian, E.**; Bulgarelli, A.; Caraveo, P.; Viotti, R. F.; Corcoran, M. F.; Giuliani, A.; Pittori, C.; Verrecchia, F. et al. (2009), Detection of Gamma-Ray Emission from the Eta-Carinae Region, *Apj*, 698, 142

- 82) Cipriani, F.; **Leblanc, F.**; Witasse, O.; Johnson, R. E. (2009), Exospheric signatures of alkali abundances in Europa's regolith, *GeoRL*, 36, 12
- 83) Mangano, V.; **Leblanc, F.**; Barbieri, C.; Massetti, S.; Milillo, A.; Cremonese, G.; Grava, C. (2009) Detection of a southern peak in Mercury's sodium exosphere with the TNG in 2005, *Icar*, 201, 424
- 84) Pipino, A.; **Chiappini, C.**; Graves, G.; **Matteucci, F.** (2009), Stellar mass loss, rotation and the chemical enrichment of early-type galaxies, *MNRAS*, 396, 1151
- 85) Valenti, S.; Pastorello, A.; Cappellaro, E.; Benetti, S.; Mazzali, P. A.; Manteca, J.; Taubenberger, S.; Elias-Rosa, N.; (...); **Pian, E.** et al (2009), A low-energy core-collapse supernova without a hydrogen envelope, *Natur*, 459, 674. <http://adsabs.harvard.edu/abs/2009Natur.459..674V>
- 86) Fontana, A.; Santini, P.; Grazian, A.; Pentericci, L.; Fiore, F.; Castellano, M.; Giallongo, E.; Menci, N.; Salimbeni, S.; **Cristiani, S.**; **Nonino, M.**; **Vanzella, E.** (2009) The fraction of quiescent massive galaxies in the early Universe, *A&A*, 501, 15
- 87) **Santos, J. S.**; Rosati, P.; Gobat, R.; Lidman, C.; Dawson, K.; Perlmutter, S.; Böhringer, H.; Balestra, I.; Mullis, C. R.; et al. (2009), Multiwavelength observations of a rich galaxy cluster at $z \sim 1$. The HST/ACS colour-magnitude diagram, *A&A*, 501, 49
- 88) Etori, S.; Morandi, A.; **Tozzi, P.**; Balestra, I.; Borgani, S.; Rosati, P.; Lovisari, L.; Terenziani, F. (2009), The cluster gas mass fraction as a cosmological probe: a revised study, *A&A*, 501, 61
- 89) **Biviano, A.**; Poggianti, B. M. (2009), The orbital velocity anisotropy of cluster galaxies: evolution, *A&A*, 501, 419
- 90) **Bonifacio, P.**; Spite, M.; Cayrel, R.; Hill, V.; Spite, F.; François, P.; Plez, B.; Ludwig, H.-G.; Caffau, E.; Molaro, P.; et al. (2009), First stars XII. Abundances in extremely metal-poor turnoff stars, and comparison with the giants, *A&A*, 501, 519
- 91) **Matteucci, F.**; Spitoni, E.; Recchi, S.; Valiante, R. (2009), The effect of different type Ia supernova progenitors on Galactic chemical evolution, *A&A*, 501, 531
- 92) Salimbeni, S.; Castellano, M.; Pentericci, L.; Treves, D.; Fiore, F.; Grazian, A.; Fontana, A.; Giallongo, E.; Boutsia, K.; **Cristiani, S.**; (...) **Nonino, M.**; (...); **Vanzella, E.** (2009), A comprehensive study of large-scale structures in the GOODS-SOUTH field up to $z \sim 2.5$, *A&A*, 501, 865
- 93) Falomo, R.; **Pian, E.**; Treves, A.; Giovannini, G.; Venturi, T.; Moretti, A.; Arcidiacono, C.; Farinato, J.; Ragazzoni, R.; et al. (2009) The jet of the BL Lacertae object PKS 0521-365 in the near-IR: MAD adaptive optics observations, *A&A*, 501907
- 94) Mazzotta Epifani, E.; Palumbo, P.; Capria, M. T.; Cremonese, G.; **Fulle, M.**; Colangeli, L. (2009), The distant activity of the Long Period Comets C/2003 O1 (LINEAR) and C/2004 K1 (Catalina), *A&A*, 502, 355

- 95) Abdo, A. A.; Ackermann, M.; Ajello, M.; Asano, K.; Baldini, L.; Ballet, J.; Barbiellini, G.; Bastieri, D.; Baughman, B. M.; Bechtol, K (...); **Frailis, M.** et al (2009), Fermi Discovery of Gamma-ray Emission from NGC 1275, *ApJ*, 699, 31
- 96) Abdo, A. A.; Ackermann, M.; Ajello, M.; Atwood, W. B.; Axelsson, M.; Baldini, L.; Ballet, J.; Barbiellini, G.; Bastieri, D.; Battelino, M (...); **Frailis, M.** et al. (2009) Early Fermi Gamma-ray Space Telescope Observations of the Quasar 3C 454.3, *ApJ*, 699, 817
- 97) Abdo, A. A.; Ackermann, M.; Ajello, M.; Axelsson, M.; Baldini, L.; Ballet, J.; Barbiellini, G.; Bastieri, D.; Battelino, M.; Baughman, B. M.; (...); **Frailis, M.** et al. (2009) Fermi/Large Area Telescope Discovery of Gamma-Ray Emission from a Relativistic Jet in the Narrow-Line Quasar PMN J0948+0022, *ApJ*, 699, 976
- 98) Tanaka, M.; Kawabata, Koji S.; Maeda, K.; Iye, M.; Hattori, T.; **Pian, E.**; Nomoto, K.; Mazzali, P. A.; Tominaga, N. (2009) Spectropolarimetry of the Unique Type Ib Supernova 2005bf: Larger Asymmetry Revealed by Later-Phase Data, *ApJ*, 699, 1119
- 99) Abdo, A. A.; Ackermann, M.; Atwood, W. B.; Axelsson, M.; Baldini, L.; Ballet, J.; Barbiellini, G.; Bastieri, D.; Battelino, M.; Baughman, B. M.; (...); **Frailis, M.** et al. (2009) Pulsed Gamma Rays from the Millisecond Pulsar J0030+0451 with the Fermi Large Area Telescope, *ApJ*, 699, 1171
- 100) Sanna, N.; Bono, G.; Stetson, P. B.; Pietrinferni, A.; Monelli, M.; Cassisi, S.; Buonanno, R.; Sabbi, E.; Caputo, F.; (...); **Nonino, M.** et al. (2009) On the Stellar Content of the Starburst Galaxy IC10, *ApJ*, 699, 84
- 101) Abdo, A. A.; Ackermann, M.; Ajello, M.; Atwood, W. B.; Axelsson, M.; Baldini, L.; Ballet, J.; Barbiellini, G.; Bastieri, D.; Baughman, B. M (...); **Nonino, M.** et al (2009), Discovery of Pulsations from the Pulsar J0205+6449 in SNR 3C 58 with the Fermi Gamma-Ray Space Telescope, *ApJ*, 699, 102
- 102) Abdo, A. A.; Ackermann, M.; Ajello, M.; Atwood, W. B.; Axelsson, M.; Baldini, L.; Ballet, J.; Barbiellini, G.; Bastieri, D.; Baughman, B. M (...); **Frailis, M.** (2009), Bright Active Galactic Nuclei Source List from the First Three Months of the Fermi Large Area Telescope All-Sky Survey, *ApJ*, 700, 597
- 103) Abdo, A. A.; Ackermann, M.; Ajello, M.; Atwood, W. B.; Axelsson, M.; Baldini, L.; Ballet, J.; Band, D. L.; Barbiellini, G.; Bastieri, D (...); **Frailis, M.** et al. (2009) Fermi/Large Area Telescope Bright Gamma-Ray Source List, *ApJ*, 183, 46
- 104) Tescari, E.; **Viel, M.**; Tornatore, L.; **Borgani, S.** (2009) Damped Lyman α systems in high-resolution hydrodynamical simulations, *MNRAS*, 397, 411
- 105) Cook, M.; Lapi, A.; **Granato, G. L** (2009), Two-phase galaxy formation, *MNRAS*, 397, 534
- 106) Li, Y-S; Helmi, A.; **De Lucia, G.**; Stoehr, F. (2009), On the common mass scale of the Milky Way satellites, *MNRAS*, 397, 87
- 107) **Fontanot, F.**; **De Lucia, G.**; **Monaco, P.**; Somerville, Rachel S.; Santini, Paola (2009), The many manifestations of downsizing: hierarchical galaxy formation models confront observations, *MNRAS*, ? 987

- 108) Simon, C.; Witasse, O.; **Leblanc, F.**; Gronoff, G.; Bertaux, J.-L. (2009), Dayglow on Mars: Kinetic modelling with SPICAM UV limb data, *P&SS*, 57, 1008
- 109) Acciari, V. A.; Aliu, E.; Arlen, T.; Bautista, M.; Beilicke, M.; Benbow, W.; Bradbury, S. M.; Buckley, J. H.; Bugaev, V.; (...); **Persic, M.** et al (2009) Radio Imaging of the Very-High-Energy γ -Ray Emission Region in the Central Engine of a Radio Galaxy, *Sci*, 325, 444
- 110) Ludwig, H.-G.; Behara, N. T.; Steffen, M.; Bonifacio, P. (2009), Impact of granulation effects on the use of Balmer lines as temperature indicators, *A&A*, 502, L1
- 111) Abdo, A. A.; Ackermann, M.; Ajello, M.; Atwood, W. B.; Baldini, L.; Ballet, J.; Barbiellini, G.; Bastieri, D.; (...); **Frailis, M.** et al (2009) Pulsed Gamma-rays from PSR J2021+3651 with the Fermi Large Area Telescope, *ApJ*, 700, 1059
- 112) Bufano, F.; Immler, S.; Turatto, M.; Landsman, W.; Brown, P.; Benetti, S.; Cappellaro, E.; Holland, S. T.; Mazzali, P.; (...); **Pian, E.** et al (2009) Ultraviolet Spectroscopy of Supernovae: The First Two Years of Swift Observations, *ApJ*, 700, 1456
- 113) Tanaka, M.; Yamanaka, M.; Maeda, K.; Kawabata, K. S.; Hattori, T.; Minezaki, T.; Valenti, S. (...); **Pian, E.** (2009) Nebular Phase Observations of the Type Ib Supernova 2008D/X-ray Transient 080109: Side-viewed Bipolar Explosion, *ApJ*, 700, 1680
- 114) Herbert-Fort, S.; Zaritsky, D.; Moustakas, J.; Christlein, D.; Wilcots, E.; Baruffolo, A.; Di Paola, A. (...); **Smareglia, R.** (2009) Spatially Correlated Cluster Populations in the Outer Disk of NGC 3184, *ApJ*, 700, 1977
- 115) Nonino, M.; Dickinson, M.; Rosati, P.; Grazian, A.; Reddy, N.; Cristiani, S.; Giavalisco, M.; Kuntschner, H.; Vanzella, E. et al (2009) Deep U Band and R Imaging of Goods-South: Observations, Data Reduction and First Results, *ApJ*, 183, 244
- 116) Tessarotto, M.; **Cremašchini, C.**; Tessarotto, M (2009), Phase-space Lagrangian dynamics of incompressible thermofluids, *PhyA*, 388, 3737
- 117) Valiante, R.; **Matteucci, F.**; Recchi, S.; **Calura, F.** (2009), Theoretical cosmic Type Ia supernova rates, *NewA*, 14, 638
- 118) Cardona, O.; Simonneau, E.; Crivellari, L. (2009) Thermodynamic Coefficients for Stellar Atmospheres and Plasma Spectroscopy, *ApJ*, 695, 855
- 119) Cardona, O.; Simonneau, E.; Crivellari, L. (2009) Method for Calculating the Opacità of the Atomic Lines in Stellar Atmospheres, *ApJ*, 690, 1378
- 120) Aatrokoski, J.; Lähteenmäki, A.; Tornikoski, M.; Valtaoja, E.; Maino, D.; **Galeotta, S.**; **Zacchei, A.**; **Pasian, F.** (2009) Quick Detection System for Planck Satellite, *MNRAS*, on line early
- 121) Abdo, A. A.; Ackermann, M.; Ajello, M.; Ampe, J.; Anderson, B.; Atwood, W. B.; Axelsson, M. (...); **Frailis, M.** et al. (2009) The On-orbit calibration of the Fermi Large Area Telescope, *Aph*, 32, 193

- 122) Abdo, A. A.; Ackermann, M.; Ajello, M.; Asano, K.; Atwood, W. B.; Axelsson, M.; Baldini, L.; Ballet, J.; Barbiellini, G. (...); **Frailis, M.** et al (2009) Fermi Observations of GRB 090902B: a Distinct Spectral Component in the Prompt and Delayed Emission, *ApJ*, 706L, 138
- 123) Abdo, A. A.; Ackermann, M.; Ajello, M.; Atwood, W. B.; Axelsson, M.; Baldini, L.; Ballet, J.; Barbiellini, G. (...); **Frailis, M.** et al (2009), A population of Gamma-Ray Millisecond Pulsars Seen with the Fermi Large Area Telescope, *Sci*, 325, 848
- 124) Abdo, A. A.; Ackermann, M.; Ajello, M.; Atwood, W. B.; Axelsson, M.; Baldini, L.; Ballet, J.; Barbiellini, G (...); **Frailis, M.** et al. (2009) Fermi Large Area Telescope Detection of Pulsed γ -rays from the Vela-like Pulsars PSR J1048–5832 and PSR J2229+6114, *ApJ*, 706, 1331
- 125) Abdo, A. A.; Ackermann, M.; Ajello, M.; Atwood, W. B.; Axelsson, M.; Baldini, L.; Ballet, J.; Barbiellini, G (...); **Frailis, M.** et al. (2009) Fermi/LAT observations of LS 5039, *ApJ*, 706, 56
- 126) Abdo, A. A.; Ackermann, M.; Ajello, M.; Atwood, W. B.; Axelsson, M.; Baldini, L.; Ballet, J.; Barbiellini, G (...); **Frailis, M.** et al. (2009) Detection of High-Energy Gamma-Ray Emission from the Globular Cluster 47 Tucanae with Fermi, *Sci*, 325, 845
- 127) Abdo, A. A.; Ackermann, M.; Ajello, M.; Atwood, W. B.; Axelsson, M.; Baldini, L.; Ballet, J.; Barbiellini, G. (...); **Frailis, M.** et al. (2009) Fermi LAT Observation of Diffuse Gamma Rays Produced Through Interactions Between Local Interstellar Matter and High-energy Cosmic Rays, *ApJ*, 703, 1249
- 128) Abdo, A. A.; Ackermann, M.; Ajello, M.; Baldini, L.; Ballet, J.; Barbiellini, G (...); **Frailis, M.** et al. (2009) Fermi LAT Discovery of Extended Gamma-Ray Emission in the Direction of Supernova Remnant W51C, *ApJ*, 706L,
- 129) Acciari, V. A.; Aliu, E.; Aune, T.; Beilicke, M.; Benbow, W.; Böttcher, M.; Bradbury, S. M.; Buckley, J. H. (...); **Persic, M.** et al (2009) Simultaneous Multiwavelength Observations of Markarian 421 During Outburst, *ApJ*, 703, 169
- 130) Anderhub, H.; Antonelli, L. A.; Antoranz, P.; Backes, M.; Baixeras, C.; Balestra, S.; Barrio, J. A.; Bastieri, D. (...); **Persic, M.** et al (2009), Discovery of very High Energy γ -Rays from the Blazar S5 0716+714, *ApJ*, 704L, 129
- 131) Anderhub, H.; Antonelli, L. A.; Antoranz, P.; Backes, M.; Baixeras, C.; Balestra, S.; Barrio, J. A.; Bastieri, D. (...); **Persic, M.** et al (2009), Correlated X-Ray and Very High Energy Emission in the Gamma-Ray Binary LS I +61 303, *ApJ*, 706L, 27
- 132) Anderhub, H.; Antonelli, L. A.; Antoranz, P.; Backes, M.; Baixeras, C.; Balestra, S.; Barrio, J. A.; Bastieri, D. (...); **Persic, M.** et al (2009) Simultaneous Multiwavelength Observation of Mkn 501 in a Low State in 2006, *ApJ*, 705, 1624
- 133) Anderhub, H.; Antonelli, L. A.; Antoranz, P.; Backes, M.; Baixeras, C.; Balestra, S.; Barrio, J. A.; Bastieri, D. (...); **Persic, M.** et al (2009) Search for VHE γ -ray Emission from the Globular Cluster M13 with the Magic Telescope, *ApJ*, 702, 266

- 134) **Andreani, P.**; Magliocchetti, M.; de Zotti, G. (2009) MAMBO observations at 240GHz of optically obscured Spitzer sources: source clumps and radio activity at high redshift, MNRAS, ?????
- 135) Barrena, R.; **Girardi, M.**; Boschin, W.; Dasí, M. (2009) Internal dynamics of Abell 1240: a galaxy cluster with symmetric double radio relics, A&A, 503, 357
- 136) Buson, L.; Bressan, A.; Panuzzo, P.; Rampazzo, R.; Valdés, J. R.; Clemens, M.; Marino, A.; Chavez, M.; Granato, G. L.; **Silva, L.** (2009), The Role of the Synchrotron Component in the Mid-Infrared Spectrum of M 87, ApJ, 705, 356
- 137) Calamida, A.; Bono, G.; Stetson, P. B.; Freyhammer, L. M.; Piersimoni, A. M.; Buonanno, R.; Caputo, F.; Cassisi, S.; Castellani, M (...); **Nonino, M.** et al (2009) Strömgren Photometry of Galactic Globular Clusters. II. Metallicity Distribution of Red Giants in ω Centauri, ApJ, 706, 1277
- 138) **Calura, F.**; Menci, N. (2009) Chemical Evolution of local galaxies in a hierarchical model, MNRAS, MNRAS, Volume 400, Issue 3, pp. 1347-1365 [2009MNRAS.400.1347C](#)
- 139) **Calura, F.**; Pipino, A.; **Chiappini, C.**; **Matteucci, F.**; Maiolino, R. (2009) The evolution of the mass-metallicity relation in galaxies of different morphological types, A&A, 504, 373
- 140) Campisi, M. A.; **De Lucia, G.**; Li, L.-X.; Mao, S.; Kang, X. (2009) Properties of long gamma-ray burst host galaxies in cosmological simulations, MNRAS
- 141) Cescutti, G.; **Matteucci, F.**; McWilliam, A.; **Chiappini, C.** (2009), The evolution of carbon and oxygen in the bulge and disk of the Milky Way, A&A, 505, 605
- 142) D'Elia, V.; Fiore, F.; Goldoni, P.; **D'Odorico, V.**; Campana, S.; Covino, S.; D'Avanzo, P.; Meurs, E. J. A.; Norci, L.; Tagliaferri, G. (2009), Non-variability of intervening absorbers observed in the UVES spectra of the 'naked-eye' GRB080319, MNRAS
- 143) Daflon, S.; Cunha, K.; de la Reza, R.; Holtzman, J.; **Chiappini, C.** (2009), Sulfur Abundances in the Orion Association B Stars, AJ, 138, 1577
- 144) Dayal, P.; Ferrara, A.; Saro, A.; Salvaterra, R.; **Borgani, S.**; **Tornatore, L.** (2009), Lyman alpha emitter evolution in the reionization epoch, MNRAS Volume 400, Issue 4, pp. 2000-2011
- 145) **De Lucia, G.**; Poggianti, B.M.; Halliday, C.; Milvang-Jensen, Bo; Noll, S.; Smail, I.; Zaritsky, D. (2009), On the role of the post-starburst phase in the buildup of the red sequence of intermediate-redshift clusters, MNRAS, 400, 68
- 146) Dolag, K.; **Borgani, S.**; Murante, G.; Springel, V. (2009), Substructures in hydrodynamical cluster simulations, MNRAS, 399, 497
- 147) González Hernández, J. I.; **Bonifacio, P.**; Caffau, E.; Steffen, M.; Ludwig, H.-G.; Behara, N. T.; Sbordone, L.; Cayrel, R.; Zaggia, S. (2009), Lithium in the globular cluster NGC 6397. Evidence for dependence on evolutionary status, A&A, 505L, 13

- 148) Grazian, A.; Menci, N.; Giallongo, E.; Gallozzi, S.; **Fontanot, F.**; Fontana, A.; Testa, V.; Ragazzoni, R. (...); **Gasparo, F.**; (...); **Pasian, F.**; (...); **Smareglia, R.** et al (2009), Wide and deep near-UV (360 nm) galaxy counts and the extragalactic background light with the Large Binocular Camera, *A&A*, 505, 1041
- 149) Levshakov, S. A.; Agafonova, I. I.; **Molaro, P.**; Reimers, D.; Hou, J. L. (2009) Metal-rich absorbers at high redshifts: abundance patterns, *A&A*, 507, 209
- 150) **Lo Faro, B.**; **Monaco, P.**; **Vanzella, E.**; **Fontanot, F.**; **Silva, L.**; **Cristiani, S.** (2009) Faint Lyman-break galaxies as a crucial test for galaxy formation models, *MNRAS*, 399, 827
- 151) Maiorca, E.; Caffau, E.; **Bonifacio, P.**; Busso, M.; **Faraggiana, R.**; Steffen, M.; Ludwig, H.-G.; Kamp, I. (2009), The Solar Photospheric Nitrogen Abundance: Determination with 3D and 1D Model Atmospheres, *PASA*, 26, 345
- 152) Pedicelli, S.; Bono, G.; Lemasle, B.; François, P.; Groenewegen, M.; Lub, J.; Pel, J. W.; Laney, D.; Piersimoni, A (...); **Castelli, F.** et al (2009), On the metallicity gradient of the Galactic disk, *A&A*, 504, 81
- 153) **Pian, E.**; Romano, P.; Maoz, D.; Cucchiara, A.; Pagani, C.; Parola, V. L (2009) Variability and spectral energy distributions of low-luminosity active galactic nuclei: a simultaneous X-ray/UV look with Swift, *MNRAS*
- 154) Poggianti, B. M.; Aragón-Salamanca, A.; Zaritsky, D.; **De Lucia, G.**; Milvang-Jensen, Bo; Desai, V.; Jablonka, P.; Halliday, C. et al. (2009) The Environments of Starburst and Post-Starburst Galaxies at $z = 0.4-0.8$, *ApJ*, 693, 112
- 155) Rephaeli, Y.; Arieli, Y.; **Persic, M.** (2009), High-energy emission from the starburst galaxy NGC 253, *MNRAS*
- 156) Romano, D.; Tosi, M.; Cignoni, M.; **Matteucci, F.**; Pancino, E.; Bellazzini, M (2009), On the origin of the helium-rich population in ω Centauri, *MNRAS*
- 157) Rudnick, Gregory; von der Linden, Anja; Pelló, Roser; Aragón-Salamanca, Alfonso; Marchesini, Danilo; Clowe, Douglas; **De Lucia, Gabriella**; Halliday, Claire; Jablonka, Pascale; Milvang-Jensen, Bo et al (2009), The Rest-frame Optical Luminosity Function of Cluster Galaxies at $z < 0.8$ and the Assembly of the Cluster Red Sequence, *ApJ*, 700, 1559
- 158) Salvaterra, R.; Della Valle, M.; Campana, S.; Chincarini, G.; Covino, S.; D'Avanzo, P.; Fernández-Soto, A.; Guidorzi, C.; Mannucci, F(...); **Pian, E.** et al (2009) GRB090423 at a redshift of $z \sim 8.1$, *Natur*, 461, 1258
- 159) Santini, P.; Fontana, A.; Grazian, A.; Salimbeni, S.; Fiore, F.; **Fontanot, F.**; Boutsia, K.; Castellano, M.; **Cristiani, S.**; de Santis, C (...); **Nonino, M.** (...); **Vanzella, E.** et al (2009) Star formation and mass assembly in high redshift galaxies, *A&A*, 504, 751
- 160) Sbordone, L.; Limongi, M.; Chieffi, A.; Caffau, E.; Ludwig, H.-G.; **Bonifacio, P.** (2009), Sulfur in the globular clusters 47 Tucanae and NGC 6752, *A&A*, 503, 121

- 161) Spitoni, E.; **Matteucci, F.**; Recchi, S.; Cescutti, G.; Pipino, A. (2009), Effects of galactic fountains and delayed mixing in the chemical evolution of the Milky Way, *A&A*, 504, 87
- 162) Tessarotto, M.; **Cremašchini, C.**; Tessarotto, M (2009) Phase-space Lagrangian dynamics of incompressible thermofluids, *PhyA*, 388, 3737
- 163) Vallinotto, A.; Das, S.; Spergel, D. N.; **Viel, M.** (2009) Lenses in the Forest: Cross Correlation of the Lyman- α Flux with Cosmic Microwave Background Lensing, *PhRv*, 103, 1304
- 164) **Viel, M.**; Bolton, J. S.; Haehnelt, M.G. (2009) Cosmological and astrophysical constraints from the Lyman- α forest flux probability distribution function, *MNARS*, 399, 39
- 165) Watermann, J.; Vainio, R.; Lilensten, J.; Belehaki, A.; **Messerotti, M.** (2009) The State of Space Weather Scientific Modeling – An Introduction , *SSRv*
- 166) Xia, J-Q.; **Viel, M.**; Baccigalupi, C.; Matarrese, S. (2009) The high redshift Integrated Sachs-Wolfe effect, *JCAP*, 09, 003
- 167) Andretta, V; Bemporad, B.; Berrilli, F.; Cauzzi, G. (...); **Messerotti, M.** et al (2009) C'e' qualcosa che non va sul sole? – Un'inchiesta sull'affidabilita' della nostra stella come stabile fonte di energia (Parte II), *Coelum*, 124, 28
- 168) M. Messerotti, F. Zuccarello, S. L. Guglielmino, V. Bothmer, J. Lilensten, G. Noci, M. Storini, H. Lundstedt (2009) Solar Weather Event Modelling and Prediction, *Space Science Reviews*, *Space Science Reviews*, Volume 147, Issue 3-4, pp. 121-185, [2009SSRv..147..121M](#)
- 169) Abdo, A. A.; Ackermann, M.; Atwood, W. B.; Bagagli, R.; (...) **Frailis, M.** et al. (2009) Fermi Large Area Telescope Observations of the Vela Pulsar, *The Astrophysical Journal*, Volume 696, Issue 2, pp. 1084-1093 (2009 *ApJ*...696.1084A
- 170) Abdo, A. A.; Ackermann, M.; Ajello, M.; Atwood, W. B.; (...) **Frailis, M.** (2009); Fermi LAT Observations of LS I +61°303: First Detection of an Orbital Modulation in GeV Gamma Rays, *ApJ*....701L.123A
- 171) **Maris, M.**; Burigana, C. (2009), On the Transits of Solar System Objects in the Forthcoming Planck Mission: Data Flagging and Coeval Multi-Frequency Observations; *Earth, Moon, and Planets*, Volume 105, Issue 2-4, pp. 81-88, [2009EM&P..105...81M](#)
- 172) Seta, H.; Isobe, Naoki; Tashiro, Makoto S.; Yaji, Yuichi;(...) **Persic, M.**(2009), Suzaku and Multi-Wavelength Observations of OJ 287 during the Periodic Optical Outburst in 2007; *Publications of the Astronomical Society of Japan*, Vol.61, No.5, pp.1011--1022 [2009PASJ..61.1011S](#)
- 173) Adami, C.; Le Brun, V.; **Biviano, A.**; Durret, F.; Lamareille, F.; Pelló, R.; Ilbert, O.; Mazure, A.; Trilling, R.; Ulmer, M. P. (2009), Very deep spectroscopy of the Coma cluster line of sight: exploring new territories, *Astronomy and Astrophysics*, Volume 507, Issue 3, 2009, pp.1225-1241, [2009A&A...507.1225A](#)

- 174) **Castelli, F.**; Kurucz, R.; Hubrig, S, (2009) New identified $(^3H)4d-(^3H)4f$ transitions of Fe II from UVES spectra of HR 6000 and 46 Aquilae, *Astronomy and Astrophysics*, Volume 508, Issue 1, 2009, pp.401-408, [2009A&A...508..401C](#)
- 175) Rosati, P.; **Tozzi, P.**; Gobat, R.; Santos, J. S.; **Nonino, M.**; Demarco, R.; Lidman, C.; Mullis, C. R.; Strazzullo, V.; Böhringer, H.; Fassbender, R.; Dawson, K.; Tanaka, M.; Jee, J.; Ford, H.; Lamer, G.; Schwobe, A. (2009) Multi-wavelength study of XMMU J2235.3-2557: the most massive galaxy cluster at $z > 1$, *Astronomy and Astrophysics*, Vol. 508, Issue 2, 2009, pp.583-591
- 176) Simard, L.; Clowe, D.; Desai, V.; Dalcanton, J. J.; von der Linden, A.; Poggianti, B. M.; White, S. D. M.; Aragón-Salamanca, A.; **De Lucia, G.**; Halliday, C.; and 6 coauthors, (2009) Evolution of the early-type galaxy fraction in clusters since $z = 0.8$, *Astronomy and Astrophysics*, Volume 508, Issue 3, 2009, pp.1141-1159, [2009A&A...508.1141S](#)
- 177) Pelló, R.; Rudnick, G.; **De Lucia, G.**; Simard, L.; Clowe, D. I.; Jablonka, P.; Milvang-Jensen, B.; Saglia, R. P.; White, S. D. M.; Aragón-Salamanca, A.; and 10 coauthors (2009) Photometric redshifts and cluster tomography in the ESO Distant Cluster Survey, *Astronomy and Astrophysics*, Volume 508, Issue 3, 2009, pp.1173-1191, [2009A&A...508.1173P](#)
- 178) Daflon, S.; Cunha, K.; de la Reza, R.; Holtzman, J.; **Chiappini, C.** (2009), Sulfur Abundances in the Orion Association B Stars, *The Astronomical Journal*, Volume 138, Issue 6, pp. 1577-1583, [2009AJ....138.1577D](#)
- 179) Abdo, A. A.; Ackermann, M.; Ajello, M.; Atwood, W. B.; (...), **Frailis, M.** et al.(2009) Fermi Large Area Telescope Gamma-Ray Detection of the Radio Galaxy M87, *The Astrophysical Journal*, Volume 707, Issue 1, pp. 55-60
- 180) Abdo, A. A.; Ackermann, M.; Asano, K.; Atwood, W. B.; (...), **Frailis, M.** et al (2009) Fermi Observations of High-energy Gamma-ray Emission from GRB 080825C
- 181) Acciari, V. A.; Aliu, E.; Aune, T.; Beilicke, M.; Benbow, W.; (...), **Pian, E.** et al. (2009), Multiwavelength Observations of a TeV-Flare from W Comae, *The Astrophysical Journal*, Volume 707, Issue 1, pp. 612-620
- 182) Abdo, A. A.; Ackermann, M.; Ajello, M.; Axelsson, M.; (...) **Frailis, M.** et al., (2009) Multiwavelength Monitoring of the Enigmatic Narrow-Line Seyfert 1 PMN J0948+0022 in 2009 March-July, *The Astrophysical Journal*, Volume 707, Issue 1, pp. 727-737, [2009ApJ...707..727A](#)
- 183) Abdo, A. A.; Ackermann, M.; Ajello, M.; Atwood, W. B.; (...) **Frailis, M.** et al., (2009) Fermi Observations of TeV-Selected Active Galactic Nuclei, *The Astrophysical Journal*, Volume 707, Issue 2, pp. 1310-1333 [2009ApJ...707.1310A](#)
- 184) Zheng, X. Z.; Bell, E. F.; Somerville, R. S.; Rix, H.-W.; Jahnke, K.; **Fontanot, F.**; Rieke, G. H.; Schiminovich, D.; Meisenheimer, K., (2009) Observational Constraints on the Co-Evolution of Supermassive Black Holes and Galaxies *The Astrophysical Journal*, Volume 707, Issue 2, pp. 1566-1577 [2009ApJ...707.1566Z](#)
- 185) Abdo, A. A.; Ackermann, M.; Ajello, M.; (...) **Frailis, M.** et al. (2009) Radio-Loud Narrow-Line Seyfert 1 as a New Class of Gamma-Ray Active Galactic Nuclei *The Astrophysical Journal Letters*, Volume 707, Issue 2, pp. L142-L147 [2009ApJ...707L.142A](#)

- 186) Fynbo, J. P. U.; Jakobsson, P.; Prochaska, J. X.; Malesani, D.; Ledoux, C.; (...), **Pian, E.** et al (2009) Low-resolution Spectroscopy of Gamma-ray Burst Optical Afterglows: Biases in the Swift Sample and Characterization of the Absorbers, *The Astrophysical Journal Supplement*, Volume 185, Issue 2, pp. 526-573, [2009ApJS..185..526F](#)
- 187) González, J. F.; Hubrig, S.; **Castelli, F.** (2009) AOVel: the role of multiplicity in the development of chemical peculiarities in late B-type stars, *Monthly Notices of the Royal Astronomical Society*, Volume 402, Issue 4, pp. 2539-2547
- 188) Abdo, A. A.; Ackermann, M.; Ajello, M.; Atwood, W. B.; (...), **Frailis, M.** et al. (2009), Fermi large area telescope observations of the cosmic-ray induced γ -ray emission of the Earth's atmosphere, *Physical Review D*, vol. 80, Issue 12, id. 122004 [2009PhRvD..80I2004A](#)
- 189) Abdo, A. A.; Ackermann, M.; Ajello, M.; Anderson, B.; (...) **Frailis, M.** et al. (2009) Fermi Large Area Telescope Measurements of the Diffuse Gamma-Ray Emission at Intermediate Galactic Latitudes, *Physical Review Letters*, vol. 103, Issue 25, id. 251101 [2009PhRvL.103y1101A](#)
- 190) Fermi LAT Collaboration; Abdo, A. A.; Ackermann, M.; Ajello, M.; (...) **Frailis, M.** et al. (2009), Modulated High-Energy Gamma-Ray Emission from the Microquasar Cygnus X-3, *Science*, Volume 326, Issue 5959, pp. 1512, [2009Sci...326.1512F](#)
- 191) **De Lucia, G.**; Helmi, A (2009) The Galaxy and its stellar halo – insights from a hybrid cosmological approach, in: *The Galaxy Disk in Cosmological Context*, Proceedings of the International Astronomical Union, IAU Symposium, Volume 254. Edited by J. Andersen, J. Bland-Hawthorn, and B. Nordström, p. 423 (referato)
- 192) **Monaco, P.**; Fontanot, F.; Lo Faro, B.; **De Lucia, G.**; **Vanzella, E.**; Somerville, R.; **Cristiani, S.**; **Silva, L.**; Santini, P. (2009) Modeling multi-wavelength properties of high redshift galaxies, in *PROBING STELLAR POPULATIONS OUT TO THE DISTANT UNIVERSE: CEFALU 2008*, Proceedings of the International Conference. AIP Conference Proceedings, Volume 1111, pp. 48-51 (referato)
- 193) **Frailis, M.**; **Maris, M.**; **Zacchei, A.**; Morisset, N.; Rohlfs, R.; Meharga, M.; Binko, P.; Türler, M.; **Galeotta, S.**; **Gasparo, F.**; and 16 coauthors (2009) A systematic approach to the Planck LFI end-to-end test and its application to the DPC Level 1 pipeline, *Journal of Instrumentation*, Volume 12, Issue 12, pp. T12021 (2009) (rivista ONLINE)
- 194) Tomasi, M.; Mennella, A.; **Galeotta, S.**; Lowe, S. R.; Mendes, L.; Leonardi, R.; Villa, F.; Cappellini, B.; **Gregorio, A.**; Meinhold, P.; **Maggio, G.**; Maino, D.; (...) **Manzato, P.**; **Pasian, F.**; **Perrotta, F.**; **M.**; **Zacchei, A.**; et al. (2009) Off-line radiometric analysis of Planck-LFI data. *Journal of Instrumentation*, Volume 12, Issue 12, pp. T12020 (2009).
- 195) **Zacchei, A.**; **Frailis, M.**; **Maris, M.**; Morisset, N.; (...) **Galeotta, S.**; **Gasparo, F.**; Franceschi, E.; (...) **Gregorio, A.**; Leonardi, R.; Lowe, S. R.; Maino, D.; **Maggio, G.**; Malaspina, M.; Mandolesi, N.; **Manzato, P.**; (...); **Pasian, F.**; **Perrotta, F.**; et al.(2009) Level 1 on-ground telemetry handling in Planck-LFI, *Journal of Instrumentation*, Volume 12, Issue 12, pp. T12019
- 196) **Maris, M.**; Tomasi, M.; **Galeotta, S.**; Miccolis, M.; Hildebrandt, S.; **Frailis, M.**; Rohlfs, R.; Morisset, N.; **Zacchei, A.**; (...); **Gasparo, F.**; Gomez, F.; **Gregorio, A.**; Herreros, J. M.; Leonardi, R.; Leutenegger, P.; **Maggio, G.**; Maino, D.; Malaspina, M.; Mandolesi, N.; **Manzato, P.**;

Meharga, M.; Meinhold, P.; Mennella, A.; **Pasian, F.; Perrotta, F.** et al. (2009) Optimization of Planck-LFI on-board data handling, *Journal of Instrumentation*, Volume 12, Issue 12, pp. T12018

197) Malaspina, M.; Franceschi, E.; (...); **Frailis, M.**; Franceschet, C.; **Galeotta, S.; Gasparo, F.; Gregorio, A.**; Lapolla, M.; Leonardi, R.; **Maggio, G.**; Mandolesi, N.; **Manzato, P.; Maris, M.**; Meharga, M.; Meinhold, P.; Morisset, N.; **Pasian, F.; Perrotta, F.**; Rohlf, R.; Sandri, M.; Tomasi, M.; Türler, M.; **Zacchei, A.**; Zonca, A. (2009) LFI Radiometric Chain Assembly (RCA) data handling "Rachel", *Journal of Instrumentation*, Volume 12, Issue 12, pp. T12017 (2009).

198) Cuttaia, F.; Mennella, A.; Stringhetti, L.; **Maris, M.**; Terenzi, L.; Tomasi, M.; Villa, F.; Bersanelli, M.; Butler, R. C.; Cappellini, B.; Cuevas, L. P.; D'Arcangelo, O.; Davis, R.; **Frailis, M.**; Franceschet, C.; Franceschi, E.; **Gregorio, A.**; Hoyland, R.; Leonardi, R.; Lowe, S.; Mandolesi, N.; Meinhold, P.; Mendes, L.; Roddis, N.; Sandri, M.; Valenziano, L.; Wilkinson, A.; **Zacchei, A.**; Zonca, A.; Battaglia, P.; De Nardo, S.; Grassi, S.; Lapolla, M.; Leutenegger, P.; Miccolis, M.; Silvestri, R. (2009) *Journal of Instrumentation*, Volume 12, Issue 12, pp. T12013 (2009).

199) Mennella, A.; Villa, F.; Terenzi, L.; Cuttaia, F.; Battaglia, P.; Bersanelli, M.; Butler, R. C.; D'Arcangelo, O.; Artal, E.; Davis, R.; **Frailis, M.**; Franceschet, C.; **Galeotta, S.; Gregorio, A.**; (...) **Zacchei, A.**; Varis, J.; Wilkinson, A.; Zonca, A. (2009) The linearity response of the Planck-LFI flight model receivers. *Journal of Instrumentation*, Volume 12, Issue 12, pp. T12011 (2009).

200) Meinhold, P.; Leonardi, R.; Aja, B.; (...) **Frailis, M.**; Franceschet, C.; Franceschi, E.; Gaier, T.; **Galeotta, S.; Gregorio, A.**; (...) **Maris, M.**; (...) Valenziano, L.; Villa, F.; Wilkinson, A.; Winder, F.; **Zacchei, A.**; Zonca, A. (2009) Noise properties of the Planck-LFI receivers *Journal of Instrumentation*, Volume 12, Issue 12, pp. T12009 (2009).

201) Valenziano, L.; Cuttaia, F.; De Rosa, A.; (...) **Frailis, M.; Galeotta, S.; Gregorio, A.**; Leonardi, R.; Lowe, S. R.; **Maris, M.**; Meinhold, P.; Mendes, L.; Stringhetti, L.; Zonca, A.; **Zacchei, A.** (2009) Planck-LFI: design and performance of the 4 Kelvin Reference Load Unit, *Journal of Instrumentation*, Volume 12, Issue 12, pp. T12006 (2009).