1 Publicazioni 1998-1999

In grassetto viene indicato il personale dell'Osservatorio Astronomico G. S. Vaiana.

1.1 Lavori su riviste con refere e monografie

1.1.1 Pubblicati

[1] **F. Damiani**, **G. Micela** & **S. Sciortino**, "Problems and Solutions in deriving the Log N - Log S of sources detected in P SPC images with a wavelet-transform algorithm," *Astron. Nachr* 319 (1998), 78.

[2] R. Ventura, **A. Maggio** & G. Peres, "Loop Modeling of Coronal X-ray Spectra. V: One- and two-loop model fitting of ROSAT PSPC G-type star spectra," *A&A* 334 (1998), 188.

[3] **A. Maggio**, F. Favata, G. Peres & **S. Sciortino**, "X-ray spectroscopy of the active giant Beta Ceti: the SAX LECS view," *A&A* 330 (1998), 139.

[4] **S. Sciortino**, **F. Damiani**, F. Favata, **G. Micela** & J. Pye, "An Extended Galactic Plane Survey of the Third Quadrant (180 < l< 280).," *Astron. Nachr* 319 (1998), 108.

[5] **S. Sciortino**, F. Favata, **F. Damiani** & **G. Micela**, "An X-ray study of the PMS population of the Upper Sco-Cen Association," *A&A* 332 (1998), 825.

[6] F. Reale & **G. Micela**, "Determination of the length of coronal loops from the decay of X-ray flares:II. Stellar flares observed with ROSAT/PSPC," *A&A* 334 (1998), 1028.

[7] S. Randich, E.L. Martin, R.J. Garcia Lopez & **R. Pallavicini**, "Lithium in ROSAT-discovered candidate members in the Alpha Persei cluster," *A&A* 333 (1998), 591.

[8] **F. Bocchino**, **M. Barbera** & **S. Sciortino**, "An optimized time screening algorithm for ROSAT PSPC and HRI observations," *A&AS* 129 (1998), 1.

[9] G.E. Villa, **M. Barbera**, A. Collura, N. La Palombara, C. Musso, **S. Serio**, R. Stillwell, P. Tognon & D.C. Turner, "The optical/UV filters for the EPIC experiment," *IEEE Transactions in Nuclear Science* 45 (1998), 921.

[10] F. Favata, **G. Micela**, **S. Sciortino** & F. D'Antona, "The evolutionary status of activity-select solar-type stars and of T-Tauri stars as derived from Hipparcos parallaxes: evidence for long-lived T-Tauri disks ?," *A&A* 335 (1998), 218.

[11] F. Favata, **G. Micela** & **S. Sciortino**, "X-ray spectroscopy of the weak-lined T Tauri star HD 283572," *A&A* 337 (1998), 413.

[12] **F. Bocchino**, **A. Maggio** & **S. Sciortino**, "ROSAT PSPC Observation of the NE Region of the Vela SNR. III: The Two-Component Nature of the X-ray Emission and its implications on the ISM," *A&A* 342 (1998), 839.

[13] G. Tagliaferri, S. Covino, G. Cutispoto & **R. Pallavicini**, "A BeppoSAX observation of HD 9770: a visual triple system containing a recently discovered short-period eclipsing binary," *A&A* 345 (1998), 514.

[14] V. Di Matteo, F. Reale, G. Peres & L. Golub, "Analysis and comparison of loop structures imaged with NIXT and Yohkoh/SXT," *A&A* 342 (1999), 563.

[15] **S. Orlando** & G. Peres, "Effects on UV line observations of stationary plasma flows confined in coronal loops," *Physics and Chemistry of the Earth* 24 (1999), 401.

[16] **G. Micela**, **S. Sciortino**, F. R. Harnden Jr., V. Kashyap, R. Rosner, C.F. Prosser, **F. Damiani**, J. Stauffer & J.-P. Caillault,, "Deep ROSAT HRI observations of the Pleiades," *A&A* 341 (1999), 751.

[17] **G. Micela**, **S. Sciortino**, F. Favata, **R. Pallavicini** & J. Pye, "X-ray observations of the young open cluster Blanco 1," *A&A* 344 (1999), 83.

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[19] **S. Sciortino**, **A. Maggio**, F. Favata & **S. Orlando**, "X-ray Spectroscopy of the active dM stars: AD Leo and EV Lac ," *A&A* 342 (1999), 502.

[20] L. Terranegra, **F. Morale**, A. Spagna, G. Massone & M.G. Lattanzi, "Proper motions of faint ROSAT WTT stars in the Chamaeleon region," *A&A* 341 (1999), L79.

[21] E. Flaccomio, **G. Micela**, **S. Sciortino**, F. Favata, C. Corbally & A. Tomaney, "BVRI photometry of the star-forming region NGC 2264:the initial mass function and star-forming rate," *A&A* 345 (1999), 521.

[22] **S. Orlando**, **F. Bocchino** & G. Peres, "Non-Equilibrium Ionization and the Interpretation of Yohkoh/SXT Data During Solar Dynamic Events," *A&A* 346 (1999), 1003.

[23] M. Cannas, **M. Barbera**, R. Boscaino, A. Collura, F.M. Gelardi & **S. Varisco**, "Photoluminescence activity in natural silica excited in the vacuum UV range ," *Journal of non cristalline solids* 245 (1999), 190.

[24] H.W. Schnopper, E.H. Silver, R.H. Ingram, **M. Barbera**, A.T. Kenter, S.E. Romaine, S.S. Murray, A.M. Hussain & F.E. Christensen, "Thin foils X-ray optics made from plastic foils," *SPIE Proceedings* 3766 (1999), 350.

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[27] **I. Chinnici**, *La Carte du Ciel. Correspondance ine'dite conserve'e dans les archives de l'Observatoire de Paris.*, Observatoire de Paris & Osservatorio Astronomico di Palermo G. S. Vaiana, Palermo, 1999, 1999.

1.1.2 In Corso di Stampa

[28] S. Bandler, E. Silver, H. Schnopper, S. Murray, **M. Barbera**, N. Madden, D. Landis, J. Beeman, E. Haller & G. Tucker, "NTD-Based Microcalorimeter Performance for Astrophysical Performance," *Nuclear Instruments and Methods in Physics Research (Section A)* in press (1999).

[29] G. Peres, **S. Orlando**, F. Reale, R. Rosner & H. Hudson, "The Sun as an X-ray Star: II. Using the Yohkoh/SXT Derived Solar emission measure to interpret Stellar X-ray Observations," *ApJ* in press (1999).

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[32] F. Favata, F. Reale, **G. Micela**, **S. Sciortino**, **A. Maggio** & H. Matsumoto, "An extreme X-ray flare observed on EV Lac by the ASCA observatory in July 1998," *A&A* in press (1999).

[33] A. Marino, **G. Micela** & G. Peres, "X-ray variability properties of M stars ," *A&A* in press (1999).

[34] A. Cavadi, M. Artale, **M. Barbera**, A. Collura, F.R. Powell & **S. Varisco**, "Measurement of optical constants n and k of lexan and polyimide," *SPIE Proceedings* 3765 (1999), in press.

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[37] **A. Maggio**, F. Favata, H. Negoro, N.S. Brickhouse & A.K. Dupree, "ASCA X-ray Observations of the super-metal-rich stars 30 Ari and Eta Boo ," *A&A* in press (1999).

[38] F. Reale & G. Peres, "TRACE-derived temperature and emission measure along long-lived coronal loops : the role of filamentation," *ApJL* in press (1999).

[39] **R. Pallavicini**, G. Tagliaferri & **A. Maggio**, "X-ray spectroscopy of stellar coronae with BeppoSAX," *Advances in Space Research* in press (1999).

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1.1.3 Sottoposti per la pubblicazione

[41] J.J. Drake, G. Peres, **S. Orlando**, J.M. Laming & **A. Maggio**, "On Stellar Coronae and Solar Active Regions," *ApJ* submitted (1999).

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[43] F. Reale, G. Peres, **S. Serio**, R. Betta, E.E. DeLuca & L. Golub, "Analysis and modeling of a transient coronal loop observed by TRACE: II. Loop modeling and constraints on heating," *ApJ* submitted (1999).

[44] F. Favata, F. Reale & **G. Micela**, "The corona of the dMe flare star AD Leo," *A&A* submitted (1999).

[45] E. Flaccomio, **G. Micela**, **S. Sciortino**, **F. Damiani**, F. Favata, F. R. Harnden Jr. & J. Schachter, "HRI observations of PMS stars in NGC 2264," *A&A* submitted (1999).

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[47] **A. Maggio**, **R. Pallavicini**, F. Reale & G. Tagliaferri, "Twin X-ray Flares and the Active Corona of AB Dor observed with BeppoSAX," *A&A* submitted (1999).

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[49] **S. Sciortino**, **G. Micela**, F. Favata, A. Spagna, M. G. Lattanzi, "ROSAT HRI survey of the open cluster Stock 2 & A&A," 1999.

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