

Bibliography from ADS file: crivellari.bib  
September 14, 2022

- Crivellari, L., Cristallo, S., & Piersanti, L., "AGB Stars and Their Circumstellar Envelopes: An Operative Approach to Computing Their Atmospheres", 2021Univ....7..340C [ADS](#)
- Crivellari, L., "Alternative Strategies to Solve the Stellar Atmosphere Problem", 2021POBeo.100...15C [ADS](#)
- Cristallo, S., Piersanti, L., Gobrecht, D., Crivellari, L., & Nanni, A., "AGB Stars and Their Circumstellar Envelopes. I. the VULCAN Code", 2021Univ....7..80C [ADS](#)
- Crivellari, L., Simón-Díaz, S., & Arévalo, M. J.: 2019, *Radiative Transfer in Stellar and Planetary Atmospheres* 2019rtsp.book.....C [ADS](#)
- Crivellari, L., "The Stellar Atmosphere Physical System II. An Operative Sequential Algorithm to Solve the Stellar Atmosphere Problem", 2019SerAJ.198...1C [ADS](#)
- Crivellari, L., "The Stellar Atmosphere Physical System I. Phenomenological Definition and Representation of a Stellar Atmosphere", 2018SerAJ.196...1C [ADS](#)
- Simonneau, E., Cardona, O., & Crivellari, L., "An improved version of the implicit integral method to solving radiative transfer problems", 2012Ap....55..110S [ADS](#)
- Cardona, O., Simonneau, E., & Crivellari, L., "Thermodynamic Coefficients for Stellar Atmospheres and Plasma Spectroscopy", 2009ApJ...695..855C [ADS](#)
- Cardona, O., Crivellari, L., & Simonneau, E., "A Novel Precise Method for Correcting the Temperature in Stellar Atmosphere Models", 2009ASSP....7..231C [ADS](#)
- Cardona, O., Simonneau, E., & Crivellari, L., "Method for Calculating the Opacity of the Atomic Lines in Stellar Atmospheres", 2009ApJ...690.1378C [ADS](#)
- Cardona, O., Crivellari, L., & Simonneau, E., "A Novel Precise Method for Correcting the Temperature in Stellar Atmosphere Models", 2007arXiv0711.0026C [ADS](#)
- Crivellari, L., Cardona, O., & Simonneau, E., "Physical requirements for modeling stellar atmospheres according to the different spectral features observed", 2007IAUS..241...91C [ADS](#)
- Crivellari, L.: 2004, "Método integral implícito para resolver problemas de transporte radiativo en condiciones típicas de las atmósferas estelares-Método integral implícito para resolver problemas de transporte radiativo en condiciones típicas de las atmósferas estelaresAn implicit integral method to solve radiative transfer problems under conditions typical of stellar atmospheres;," Ph.D. thesis, University of La Laguna, Spain 2004PhDT.....297C [ADS](#)
- Crivellari, L., Simonneau, E., & Cardona, O., "Structure and components of an LTE stellar atmosphere model", 2004MmSAI..75..154C [ADS](#)
- Crivellari, L., Simonneau, E., & Cardona, O., "A numerical laboratory for the diagnostics of stellar properties", 2003MSAIS...3...97C [ADS](#)
- Crivellari, L., Cardona, O., & Simonneau, E., "Multilevel Line Transfer with the Implicit Integral Method", 2002Ap....45..480C [ADS](#)
- Simonneau, E. & Crivellari, L., "Some Iterative Methods for Radiative Transfer Problems", 2002EAS....5...31S [ADS](#)
- Cardona, O., Crivellari, L., & Simonneau, E., "A precise new method to correcting temperature in stellar atmospheres", 2002ASSL..274...29C [ADS](#)
- Giammanco, C., Crivellari, L., & Caccin, B., "On the temperature determination in theoretical modelling of stellar atmospheres", 1998MmSAI..69..663G [ADS](#)
- Crivellari, L., "Angular resolution of the classical redistribution functions", 1998MmSAI..69..643C [ADS](#)
- Gros, M., Crivellari, L., & Simonneau, E., "An Implicit Integral Method to Solve Selected Radiative Transfer Problems. IV. The Case of Spherical Geometry", 1997ApJ...489..331G [ADS](#)
- Atanacković-Vukmanović, O., Crivellari, L., & Simonneau, E., "A Forth-and-Back Implicit A-Iteration", 1997ApJ...487..735A [ADS](#)
- Crivellari, L. & Simonneau, E., "Iteration Profiles in Radiative Transfer Problems. I. From Vectorial to Scalar Coupling", 1995ApJ...451..328C [ADS](#)
- Crivellari, L. & Simonneau, E., "An Implicit Integral Method to Solve Selected Radiative Transfer Problems. II. LTE Stellar Atmosphere Models", 1994ApJ...429..331C [ADS](#)
- Simonneau, E. & Crivellari, L., "An Implicit Integral Method to Solve Selected Radiative Transfer Problems. I. Non-LTE Line Formation", 1993ApJ...409..830S [ADS](#)
- Simonneau, E. & Crivellari, L.: 1993b, *Structural algorithms to solve radiative transfer problems* 1993sats.book....S [ADS](#)
- García López, R. J., Crivellari, L., Beckman, J. E., & Rebolo, R., "Chromospheres of late-type active and quiescent dwarfs. III. Variability of CA II H emission profiles.", 1992A&A...262..195G [ADS](#)
- Beckman, J. E., García López, R. J., Rebolo, R., & Crivellari, L., "Red-shifted chromospheric emission in 70 OPH A", 1991Obs...111..314B [ADS](#)
- Crivellari, L., Hubený, I., & Hummer, D. G., "Book-Review - Stellar Atmospheres Beyond Classical Models", 1991JBAA..101..364C [ADS](#)
- Crivellari, L. & Simonneau, E., "The Use of Iteration Factors for Temperature Correction in a Stellar Atmosphere When Convective Transport Is Present", 1991ApJ...367..612C [ADS](#)
- Beckman, J. E., García López, R. J., Rebolo, R., & Crivellari, L., "Ca II H high-resolution spectral monitoring of active late-type dwarfs", in I. Tuominen, D. Moss, and G. Rüdiger (Eds.), IAU Colloq. 130: The Sun and Cool Stars. Activity, Magnetism, Dynamos, Vol. 380, 463 1991LNP...380..463B [ADS](#)
- , "Stellar atmospheres. Beyond classical models", 1991ASIC..341....C [ADS](#)
- García López, R. J., Rebolo, R., Crivellari, L., & Beckman, J. E., "Chromospheric variability in late-type dwarfs from high-resolution spectra of Ca ii H", 1990Ap&SS.170..109G [ADS](#)
- Crivellari, L., "Diagnostics of chromospheric velocity fields", 1990MmSAI..61..527C [ADS](#)
- Foing, B. H., Crivellari, L., Vladilo, G., Rebolo, R., & Beckman, J. E., "Chromospheres of late-type active and quiescent dwarfs. II. an activity index derived from profiles of the CA II lambda 8498 Å and lambda 8542 Å triplet lines.", 1989A&AS...80..189F [ADS](#)
- Rebolo, R., García López, R., Beckman, J. E., et al., "Chromospheres of late-type active and quiescent dwarfs. I. an atlas of high resolution CA II H profiles.", 1989A&AS...80..135R [ADS](#)
- Arribas, S. & Crivellari, L., "A spectroscopic analysis of the G8V star tau Cet.", 1989A&A...210..211A [ADS](#)
- Abia, C., Rebolo, R., Beckman, J. E., & Crivellari, L., "Abundances of light metals and NI in a sample of disc stars.", 1988A&A...206..100A [ADS](#)
- Simonneau, E. & Crivellari, L., "On the Application of Iteration Factors for Temperature Correction in Stellar Atmospheres", 1988ApJ...330..415S [ADS](#)
- Crivellari, L.: 1988, *Search for Circumstellar Envelopes Around Late-Type Binary Systems with LISM-Free MGII Emission Lines*, IUE Proposal ID KC056 1988iue..prop.3271C [ADS](#)
- Abia, C., Rebolo, R., Beckman, J. E., Crivellari, L., & Vila, B., "Abundances of Light Metals in Field Stars with Metallicity Range - 1.2 < [Fe/H] < + 0.3", 1988IAUS..132..421A [ADS](#)
- Foing, B. H. & Crivellari, L., "Improved Data Reduction Techniques for the ESO CES Plus RETICON Spectra", 1988IAUS..132..355F [ADS](#)
- Castelli, F., Gouttebroze, P., Beckman, J., Crivellari, L., & Foing, B., "A Method for Calibrating, in Absolute Flux Units, CA II H Profiles of Late Type Stars Observed at ESO", 1988IAUS..132..153C [ADS](#)
- Vladilo, G., Molaro, P., Crivellari, L., et al., "Chromospheric MG II H and K emissions free of interstellar contamination : velocity structure in late-type dwarfs and giants.", 1987A&A...185..233V [ADS](#)
- Vladilo, G., Crivellari, L., Molaro, P., & Beckman, J. E., "Detections of diffuse interstellar bands toward the SN 1987A in the Large Magellanic Cloud.", 1987A&A...182L..59V [ADS](#)
- Crivellari, L., Beckman, J. E., Foing, B. H., & Vladilo, G., "CA II H emission line cores of late-type dwarfs : variability measurements and velocity field diagnostics.", 1987A&A...174..127C [ADS](#)
- Crivellari, L.: 1987, *Search for Circumstellar Envelopes Around Late Type Binary Systems with LISM-Free Mg II Emission Lines*, IUE Proposal ID JC071 1987iue..prop.2952C [ADS](#)
- Foing, B. H., Crivellari, L., Beckman, J. E., Castelli, F., & Vladilo, G., "High Resolution Profiles of the Ca II Infrared Triplet Lines in Late Type Active and Quiescent Dwarfs", in J. L. Linsky and R. E. Stencel (Eds.), Cool Stars, Stellar Systems and the Sun, Vol. 291, 158–160 1987LNP...291..158F [ADS](#)
- Vladilo, G., Crivellari, L., Molaro, P., Beckman, J. E., & Genova, R., "Effects of interstellar absorptions of MgII chromospheric emissions", 1986ESASP.263..233V [ADS](#)
- Rebolo, R., Crivellari, L., Castelli, F., Foing, B., & Beckman, J. E., "Lithium abundances and 7Li/6Li ratios in late-type population I field dwarfs.", 1986A&A...166..195R [ADS](#)
- Beckman, J. E., Crivellari, L., & Dworetsky, M. M., "Book-Review - Progress in Stellar Spectral Line Formation Theory", 19860bs...106Q.123B [ADS](#)
- Beckman, J. E. & Crivellari, L., "Book-Review - Progress in Stellar Spectral Line Formation Theory", 1986JBAA..96Q.187B [ADS](#)
- Foing, B. H., Beckman, J., Crivellari, L., & Galleguillos, D., "High Resolution Observations of Chromospheric Lines in Late-Type Dwarfs", 1986RMxAA..12..214F [ADS](#)
- Crivellari, L.: 1986, *Circumstellar Envelopes Around Late-Type Binary Systems*, IUE Proposal ID IC201 1986iue..prop.2705C [ADS](#)
- Beckman, J. E., Crivellari, L., & Rutten, R. J., "Book-Review - Progress in Stellar Spectral Line Formation Theory", 1986SSRv...43Q.384B [ADS](#)

- Foing, B., Beckman, J., Crivellari, L., Vladilo, G., & Char, S., "Spectroscopic Variability Associated with Chromospheric Activity: The  $\alpha$  Cen System", in M. Zeilik and D. M. Gibson (Eds.), Cool Stars, Stellar Systems and the Sun, Vol. 254, 488 1986LNP...254..488F [ADS](#)
- Beckman, J. E. & Crivellari, L., "Book-Review - Progress in Stellar Spectral Line Formation Theory", 1985Sci...230..835B [ADS](#)
- Beckman, J. E. & Crivellari, L., "Book-Review - Progress in Stellar Spectral Line Formation Theory", 1985JBAA...95..277B [ADS](#)
- Foing, B. H., Beckman, J., Crivellari, L., & Galleguillos, D., "Chromospheric modelling in late-type dwarfs. 2. CES (Coudé Echelle Spectrograph) observations of active and quiescent stars.", 1985Msngr..41...18F [ADS](#)
- Vladilo, G., Beckman, J. E., Crivellari, L., Franco, M. L., & Molaro, P., "The distribution of the local interstellar medium derived from MG II column densities towards seven cool stars.", 1985A&A...144..81V [ADS](#)
- , "Progress in stellar spectral line formation theory", 1985ASIC..152....B [ADS](#)
- Beckman, J., Crivellari, L., & Foing, B., "Chromospheric Modelling in Late-Type Dwarfs - Part One - Quiescent Objects", 1984Msngr..38...24B [ADS](#)
- Franco, M. L., Crivellari, L., Molaro, P., et al., "The spectra of late-type dwarfs and sub-dwarfs in the near ultraviolet. III. an atlas of MG II H and K profiles.", 1984A&AS...58..693F [ADS](#)
- Beckman, J. E., Crivellari, L., Franco, M., Molaro, P., & Vladilo, G., "MG II Spectra of Late Type Stars Used to Probe the LISIM", 1984NASCSP2345...67B [ADS](#)
- Molaro, P., Beckman, J. E., Crivellari, L., Franco, M. L., & Vladilo, G., "Use of high resolution IUE spectra of Mg II in cool stars to probe the local interstellar medium.", 1984ESASP.218..139M [ADS](#)
- Crivellari, L., Franco, M. L., Molaro, P., Vladilo, G., & Beckman, J. E., "The spectra of late type dwarfs and sub-dwarfs in the near ultraviolet II. Limits to variability in MgII emission from IUE spectrophotometry.", 1983A&AS...52..135C [ADS](#)
- Malagnini, M. L., Faraggiana, R., Morossi, C., & Crivellari, L., "Observed and computed UV spectral distribution of A and F stars.", 1982A&A...114..170M [ADS](#)
- Beckman, J. E., Franco, M. L., Molaro, P., Uladilo, G., & Crivellari, L., "A search for MG II and K emission core variability in six main sequence stars.", 1982ESASP.176..149B [ADS](#)
- Talavera, A., Catala, C., Crivellari, L., et al., "On the MG II and FE II resonance lines in Herbig AE stars : preliminary results.", 1982ESASP.176...99T [ADS](#)
- Crivellari, L. & Praderie, F., "On the search for transition zone lines in late A type stars.", 1982A&A...107...75C [ADS](#)
- Beckman, J. E., Crivellari, L., & Selvelli, P. L., "The spectra of late-type dwarfs in the near ultraviolet. I. Line identifications.", 1982A&AS...47..295B [ADS](#)
- Crivellari, L. & Morossi, C., "An alternative procedure for extracting IUE low resolution spectra.", 1982A&A...106..332C [ADS](#)
- Crivellari, L., Flora, U., Mercanti, M., et al., "The Visible Spectra of Three B-Stars - Pi-Ceti 36-LYNCS 134-TAURII", 1981Ap&SS..80..425C [ADS](#)
- Beckman, J. E., Crivellari, L., Morossi, C., Ramella, M., & Vladilo, G., "A statistical analysis of Mg II h and k emission cores for variability in beta Hydri (G2 IV).", 1980idr..conf..207B [ADS](#)
- Crivellari, L., Morossi, C., & Ramella, M., "A Theoretical Approach to the Estimate of Scattered Light into IUE Low Resolution Short Wavelength Spectra", 1980idr..conf..185C [ADS](#)
- Morossi, C. & Crivellari, L., "An automatic procedure for a determination of the effective temperature and gravity. Application to 100 O-type stars.", 1980A&AS...41..299M [ADS](#)
- Crivellari, L. & Morossi, C., "Parasite light effects in International Ultraviolet Explorer (IUE) low resolution spectra", 1980ESASP.157...99C [ADS](#)
- Crivellari, L., "Correction of Halation Effects in Low-Resolution IUE Spectra", 1980IUEEN...5...34C [ADS](#)
- Praderie, F. & Crivellari, L., "Outer Layers of Dwarf A Type Stars.", 1979BAAS...11..776P [ADS](#)
- Crivellari, L., Flora, U., Rusconi, L., & Sedmak, G., "The visible spectrum of beta Ori, B8 Ia.", 1979A&AS...36...73C [ADS](#)
- Crivellari, L., Mardirossian, F., & Morossi, C., "A criterion for the measurement of equivalent widths.", 1979A&A....72..256C [ADS](#)
- Crivellari, L. & Flora, U., "Lo spettro visibile di beta Ori (B8 Ia)", 1979RSAT...22..194C [ADS](#)
- Morossi, C., Stalio, R., & Crivellari, L., "Analysis of UV spectrophotometric observations for O-type stars.", 1979IAUS...83..109M [ADS](#)
- Crivellari, L., Giuricin, G., Mardirossian, F., et al., "A software package for the presentation and evaluation of digitized images", 1978MmSAI..49..741C [ADS](#)
- Crivellari, L., Santin, P., Sedmak, G., & Rusconi, L., "Processing of stellar spectrograms digitized by means of the PDS 1010A microdensitometer - The ELSPEC/I software package", 1978MmSAI..49..717C [ADS](#)