

NASA IUE Preprints

(Received Since Newsletter No. 46)

P. S. Pitts

- "Water Vaporization on Ceres"
M. F. A'Hearn and P. D. Feldman
to appear in Icarus
- "Lyman-alpha Emission in Spectra of Herbig Ae Stars: An Indication of Accretion"
P. F. C. Blondel, A. Talavera, and H. R. E. Tjin A Djie
to appear in Astronomy and Astrophysics
- "Dust in the Atmosphere of L2 Puppis"
E. W. Brugel, L. A. Willson, G. Brown, and M. Magalhaes
presented at the Seventh Workshop on Cool Stars, Stellar Systems and the Sun
- "Spectral Evolution of Stellar Populations Using Isochrone Synthesis"
G. Bruzual A. and S. Charlot
to appear in The Astrophysical Journal
- "A Photometric Survey of the Eclipsing RS CVn-Type System RZ Eridani: Starspot Variability, Circumstellar Matter, Tidal Evolution"
G. Burki, Z. Kviz, and P. North
to appear in Astronomy and Astrophysics
- "Lyman-alpha Emission in Star-forming Galaxies: Low Redshift Counterparts of Primeval Galaxies?"
D. Calzetti and A. L. Kinney
to appear in Astrophysical Journal Letters
- "The Quantitative Assessment of UV Extinction Derived from IUE Data of Giants and Supergiants"
J. A. Cardelli, K. R. Sembach, and J. S. Mathis
to appear in The Astronomical Journal
- "The Chromosphere and Circumstellar Shell of Alpha Orionis as Observed with the Goddard High Resolution Spectrograph"
K. G. Carpenter, R. D. Robinson, G. M. Wahlgren, J. L. Linsky, and A. Brown
presented at the workshop "Science with the Hubble Space Telescope"
- "The Active Phase of the Symbiotic Star BF Cygni"
A. Cassatella, T. Fernandez-Castro, R. Gonzalez-Riestra, and J. J. Fuensalida
to appear in Astronomy and Astrophysics
- "Photometric Calibration of the International Ultraviolet Explorer (IUE) at Low Resolution: The LWP Camera"
A. Cassatella, R. Gonzalez-Riestra, C. Imhoff, N. Oliverson, and C. Lloyd
to appear in Astronomy and Astrophysics
- "The HST Observations of X-ray Nova Muscae 1991 and Its Spectral Evolution"
F. H. Cheng, K. Horne, N. Panagia, C. R. Shrader, R. Gilmozzi, F. Paresce, and N. Lund
to appear in The Astrophysical Journal
- "A Search for Beta Pictoris Analogs"
K.-P. Cheng, C. A. Grady, F. C. Bruhweiler, and Y. Kondo
to appear in Evolution in Astrophysics: IUE Astronomy in the Era of New Space Missions
- "Correlated Hard X-ray and UV Variability in NGC 5548"
J. Clavel, K. Nandra, F. Makino, K. A. Pounds, G. A. Reichert, C. M. Urry, W. Wamsteker, M. Peracaula-Bosch, and G. C. Stewart
to appear in The Astrophysical Journal

- "Multiwavelength Studies of Active Galactic Nuclei"
T. J.-L. Courvoisier
to appear in Astronomy and Astrophysics Supplement
- "Ultraviolet and Radio Observations of Milky Way Halo Gas"
L. Danly, F. J. Lockman, M. R. Meade, and B. D. Savage
to appear in Astrophysical Journal Supplement
- "Steps toward Determination of the Size and Structure of the Broad-line Region in Active Galactic Nuclei. IV. Intensity Variations of the Optical Emission Lines of NGC 5548"
M. Dietrich, W. Kollatschny, B. M. Peterson, J. Bechtold, R. Bertram, N. G. Bochkarev, T. A. Boroson, T. E. Carone, M. Elvis, A. V. Filippenko, C. M. Gaskell, J. P. Huchra, J. B. Hutchings, A. P. Koratkar, K. T. Korista, N. J. Lane, A. Laor, G. M. MacAlpine, M. A. Malkan, C. Mendes de Oliveira, H. Netzer, J. Penfold, M. V. Penston, E. Perez, R. W. Pogge, M. W. Richmond, E. I. Rosenblatt, A. I. Shapovalova, J. C. Shields, H. A. Smith, P. S. Smith, W.-H. Sun, U. Thiele, S. Veilleux, R. M. Wagner, B. J. Wilkes, B. J. Willis, and D. Willis
- "An IUE Survey of Interstellar H I Ly-alpha Absorption"
A. Diplas and B. D. Savage
to appear in proceedings of the 104th annual meeting of the Astronomical Society of the Pacific, Massive Stars - Their Lives in the Interstellar Medium
- "On the Chromosphere of 32 Cygni"
J. A. Eaton
to appear in The Astronomical Journal
- "31 Cygni: The B Star and the Wind"
J. A. Eaton
to appear in The Astronomical Journal
- "The Abundance of Ammonia in Comet P/Halley Derived from Ultraviolet Spectrophotometry of NH by ASTRON and IUE"
P. D. Feldman, K. B. Fournier, V. P. Grinin, and A. M. Zvereva
to appear in The Astrophysical Journal
- "The 1990 Outburst of the Recurrent Nova V3890 Sgr Observed with IUE"
R. Gonzalez-Riestra
to appear in Astronomy and Astrophysics
- "Ly-alpha Emission from Cooling Flows and Measures of the Dust Content of Rich Clusters of Galaxies"
E. M. Hu
to appear in The Astrophysical Journal
- "Energetics of Stellar Winds"
P. G. Judge
presented at the Seventh Workshop on Cool Stars, Stellar Systems and the Sun
- "Electron Density Diagnostics for Gaseous Nebulae Involving the O IV Intercombination Lines near 1400 A."
F. P. Keenan, E. S. Conlon, D. A. Bowden, W. A. Feibelman, and A. K. Pradhan
to appear in Astrophysical Journal Supplement
- "Ultraviolet Observations of a Bright Southern Quasar"
S. Kirhakos, M. A. Strauss, A. Yahil, M. Griffith, and K. B. Fisher
- "Seyfert Galaxy Ultraviolet Emission Line Intensities and Variability: A Self-consistent Photoionization Analysis Applied to Broad-line-emitting Gas in NGC 3783"
A. P. Koratkar and G. M. MacAlpine
to appear in The Astrophysical Journal

- "Deposition of Mass, Momentum, and Energy by Massive Stars into the ISM"
C. Leitherer, C. Robert, and L. Drissen
to appear in The Astrophysical Journal
- "GHRS Observations of the Local Interstellar Medium and the Deuterium/Hydrogen Ratio along the Line of Sight toward Capella"
J. L. Linsky, A. Brown, K. Gayley, A. Diplas, B. D. Savage, T. R. Ayres, W. Landsman, S. N. Shore, and S. R. Heap
to appear in The Astrophysical Journal
- "First Results from a Coordinated ROSAT, IUE, and VLA Study of RS CVn Systems"
J. L. Linsky, D. Fox, A. Brown, R. Dempsey, C. Schmitt, J. H. M. M. Schmitt, T. Fleming, M. Rodono, I. Pagano, J. E. Neff, and G. Bromage
presented at the Seventh Workshop on Cool Stars, Stellar Systems and the Sun
- "New Stellar Plasma Density Determinations by the GHRS: The Transition Regions of Capella and Gamma Draconis"
J. L. Linsky, B. Wood, and A. Brown
presented at the workshop "Science with the Hubble Space Telescope"
- "Variations of the Ultraviolet Fe II and Balmer Continuum Emission in the Seyfert Galaxy NGC 5548"
D. Maoz, H. Netzer, B. M. Peterson, J. Bechtold, R. Bertram, N. G. Bochkarev, T. E. Carone, M. Dietrich, A. V. Filippenko, W. Kollatschny, K. T. Korista, A. I. Shapovalova, J. C. Shields, P. S. Smith, U. Thiele, and R. M. Wagner
to appear in The Astrophysical Journal
- "Application of the Infrared Flux Method to 3 Cool Ap Stars: 78 Vir, 52 Her A and CS Vir and Comparisons of Their Energy Distributions to Model Atmospheres"
R. Monier
to appear in Astronomy and Astrophysics
- "The Energy Distribution of 21 Com (A3p): Comparison to Standard Stars of Similar Spectral Types & Modelling"
R. Monier and C. Megessier
to appear in Astronomy and Astrophysics
- "UV Emission in the Dark Cloud toward HD 62542"
J. E. O'Donnell, J. A. Cardelli, and E. Churchwell
to appear in The Astronomical Journal
- "A New Luminous Blue Variable: R 143 in 30 Doradus"
J. W. Parker, G. C. Clayton, C. Winge, and P. S. Conti
- "Far Ultraviolet Radiation from Disk Globular Cluster"
R. M. Rich, D. Minniti, and J. Liebert
to appear in The Astrophysical Journal
- "Observations of Highly Ionized Gas in the Galactic Halo"
K. R. Sembach and B. D. Savage
- "Implications of Lyman-alpha Equivalent Widths in Active Galactic Nuclei"
J. C. Shields and G. J. Ferland
- "Rotation and Activity among Solar-type Stars of the Ursa Major Group"
D. R. Soderblom and M. Mayor
to appear in Astrophysical Journal Letters
- "Stellar Kinematic Groups. I. The Ursa Major Group"
D. R. Soderblom and M. Mayor
to appear in The Astronomical Journal
- "Does the Inner BLR Dim Down when the Power Turns Up?"
L. S. Sparke
to appear in The Astrophysical Journal

- "IUE and ROSAT Survey Observations of Symbiotic Stars"
 R. E. Stencel, E. W. Brugel, S. J. Kenyon, K. F. Bickert,
 T. A. Fleming, J. H. M. S. Schmitt, and the IUE ROSAT All-Sky
 Survey Team
 presented at the Seventh Workshop on Cool Stars, Stellar
 Systems and the Sun
- "The Blazhko Effect in RR Lyrae"
 T. J. Teays
 to appear in proceedings of IAU Colloquium #139, New
 Perspectives on Stellar Pulsation and Pulsating Variable Stars
- "Distant Massive Stars at Low Galactic Longitudes: Probes of the
 Interstellar Medium of the Inner Galaxy"
 T. M. Tripp, K. R. Sembach, and B. D. Savage
 to appear in proceedings of the 104th annual meeting of the
 Astronomical Society of the Pacific, Massive Stars - Their
 Lives in the Interstellar Medium
- "Multiwavelength Monitoring of the BL Lac Object PKS 2155-304. I. The
 IUE Campaign"
 C. M. Urry, L. Maraschi, R. Edelson, A. Koratkar, J. Krolik,
 G. Madejski, E. Pian, G. Pike, G. Reichert, A. Treves,
 W. Wamsteker, R. Bohlin, J. Bregman, W. Brinkmann, L. Chiappetti,
 T. Courvoisier, A. V. Filippenko, H. Fink, I. M. George, Y. Kondo,
 P. G. Martin, H. R. Miller, P. O'Brien, J. M. Shull, M. Sitko,
 A. E. Szymkowiak, G. Tagliaferri, S. Wagner, and R. Warwick
 to appear in The Astrophysical Journal
- "CNO Abundances and Temperature Fluctuations in the Orion Nebula"
 D. K. Walter, R. J. Dufour, and J. J. Hester
 to appear in The Astrophysical Journal
- "A Link between X-ray Variability and Ultraviolet Emission in Seyfert 1
 Type AGN"
 R. Walter and T. J.-L. Courvoisier
 to appear in Astronomy and Astrophysics