

NASA IUE Preprints  
(Received Since Newsletter No. 50)  
P. S. Pitts

- "ZAMS stars in our own backyard—The rotation-activity relation"  
C. W. Ambruster, A. Brown, and F. C. Fekel  
presented at the Eighth Workshop on *Cool Stars, Stellar Systems, and the Sun*
- "The shocking truth about Beta Cassiopeia"  
T. R. Ayres  
presented at the Eighth Workshop on *Cool Stars, Stellar Systems, and the Sun*
- "Sleuthing the dynamo: *HST*/*FOS* observations of the UV emissions of solar-type stars in young galactic clusters"  
T. R. Ayres, G. Basri, T. Simon, J. Stauffer, R. Stern, S. Antiochos, J. Bookbinder, A. Brown, G. Doschek, J. Linsky, L. Ramsey, and F. Walter  
presented at the Eighth Workshop on *Cool Stars, Stellar Systems, and the Sun*
- "Coronal winds from giants and supergiants"  
T. R. Ayres and V. Kashyap  
presented at the *Eighth Workshop on Cool Stars, Stellar Systems, and the Sun*
- "Recent results from ultraviolet and optical spectropolarimetry of hot stars"  
K. S. Bjorkman  
to appear in proceedings of IAU Symposium 162: *Pulsation, Rotation, and Mass Loss in Early-Type Stars*
- "Spectropolarimetric variability in OB stars"  
K. S. Bjorkman  
to appear in proceedings of *Workshop on Instability and Variability in Hot Star Winds*
- "Ultraviolet Imaging Telescope: Globular clusters in M 31"  
R. C. Bohlin, E. W. Deutsch, K. A. McQuade, J. K. Hill, W. B. Landsman, R. W. O'Connell, M. S. Roberts, A. M. Smith, and T. P. Stecher  
to appear in *The Astrophysical Journal*
- "Binary nuclei of planetary nebulae"  
H. E. Bond  
to appear in *Interacting Binary Stars*, the 105th meeting of the Astronomical Society of the Pacific
- "High resolution mid-infrared imaging and astrometry of the nucleus of the Seyfert galaxy NGC 1068"  
J. A. Braatz, A. S. Wilson, D. Y. Gezari, F. Varosi, and C. A. Beichman  
to appear in *Astrophysical Journal Letters*
- "Dust extinction of the stellar continua in starburst galaxies: The ultraviolet and optical extinction law"  
D. Calzetti, A. L. Kinney, and T. Storchi-Bergmann  
to appear in *The Astrophysical Journal*
- "Photometric calibration of the International Ultraviolet Explorer (*IUE*) for high resolution spectra"  
A. Cassatella, P. L. Selvelli, J. D. Ponz, R. Gonzalez-Riestra, and M. Vogel  
to appear in *Astronomy and Astrophysics*

- "A determination of the distance to the high velocity cloud complex M"  
L. Danly, C. E. Albert, and K. D. Kuntz  
to appear in *Astrophysical Journal Letters*
- "Intergalactic and galactic clouds on the line of sight to SN 1993J in M 81 seen in *IUE* spectra"  
K. S. de Boer, P. Rodriguez Pascual, W. Wamsteker, G. Sonneborn, C. Fransson, and D. J. Bomans  
to appear in *Astronomy and Astrophysics*
- "On the modulated light in the intermediate polar FO Aqr/H 2215-086"  
D. de Martino, D. A. H. Buckley, M. Mouchet, and K. Mukai  
to appear in *Astronomy and Astrophysics*
- "An *IUE* survey of interstellar HI Lyman- $\alpha$  absorption. I. Column densities"  
A. Diplas and B. D. Savage
- "An *IUE* survey of interstellar HI Lyman- $\alpha$  absorption. II. Interpretation"  
A. Diplas and B. D. Savage
- "A deep atmosphere eclipse of AL Velorum"  
J. A. Eaton  
to appear in *The Astronomical Journal*
- "The 1992/93 eclipse of 31 Cygni"  
J. A. Eaton and C. Bell  
to appear in *The Astronomical Journal*
- "High-energy continuum variability in active galactic nuclei"  
R. Edelson  
to appear in *AGN Across the Electromagnetic Spectrum*, ed. T. Courvoisier
- "Multi-wavelength monitoring of the BL Lac object PKS 2155-304. IV. Multi-wavelength analysis"  
R. Edelson, J. Krolik, G. Madejski, L. Maraschi, G. Pike, C. M. Urry, W. Brinkmann,  
T. J.-L. Courvoisier, J. Ellithorpe, K. Horne, A. Treves, S. Wagner, W. Wamsteker,  
R. Warwick, H. D. Aller, M. F. Aller, M. Ashley, A. Blecha, P. Bouchet, P. Bratschi,  
J. N. Bregman, M. Carini, A. Celotti, M. Donahue, E. Feigelson, A. V. Filippenko,  
H. Fink, I. George, I. Glass, J. Heidt, J. Hewitt, P. Hughes, R. Kollgaard, Y. Kondo,  
A. Koratkar, K. Leighly, A. Marscher, T. Matheson, P. G. Martin, H. R. Miller,  
J. C. Noble, P. O'Brien, E. Pian, G. Reichert, J. M. Saken, J. M. Shull, M. Sitko,  
P. S. Smith, W.-H. Sun, and G. Tagliaferri
- "Detection of accreting gas toward HD 45677: A newly recognized, Herbig Be proto-planetary system"  
C. A. Grady, K. S. Bjorkman, D. Shepherd, R. E. Schulte-Ladbeck, M. R. Pérez, D. de Winter,  
and P. S. Thé  
to appear in *The Astrophysical Journal*
- "The accreting circumstellar gas envelope of HD 176386, a young star in the R Coronae Austrinae star formation region"  
C. A. Grady, M. R. Pérez, and P. S. Thé  
to appear in *Astronomy and Astrophysics*

- "Detection of accreting circumstellar gas around weak emission-line Herbig Ae/Be stars"  
C. A. Grady, M. R. Pérez, and P. S. Thé  
to appear in *Astrophysics and Space Science*
- "Imaging the bipolar nebula around HM Sagittae"  
W. J. Hack and F. Paresce  
to appear in *P.A.S.P.*
- "The spectrum of the planetary nebula NGC 6567"  
S. Hyung, L. H. Aller, and W. A. Feibelman  
to appear in *P.A.S.P.*
- "The reddening law outside the Local Group of galaxies: The case of NGC 7552 and NGC 5236"  
A. L. Kinney, D. Calzetti, E. Bica, and T. Storchi-Bergmann  
to appear in *The Astrophysical Journal*
- "What are the mass-loss rates of O stars?"  
H. J. G. L. M. Lamers and C. Leitherer  
to appear in *The Astrophysical Journal*
- "The hot white dwarf companions of HR 1608, HR 8210, and HD 15638"  
W. Landsman, T. Simon, and P. Bergeron  
to appear in *P.A.S.P.*
- "Massive stars in starburst galaxies and the origin of galactic superwinds"  
C. Leitherer  
to appear in *Reviews in Modern Astronomy, Vol. 7*, invited review presented at the Annual Meeting of the Astronomische Gesellschaft
- "Geometry and physical conditions in the stellar wind of AG Carinae"  
C. Leitherer, R. Allen, B. Altner, A. Damineli, L. Drissen, T. Idiart, O. Lupie, A. Nota, C. Robert, W. Schmutz, and S. N. Shore  
to appear in *The Astrophysical Journal*
- "The relationship between radiative and magnetic fluxes for three active solar-type dwarfs"  
J. L. Linsky, C. Andruilis, S. H. Saar, T. R. Ayres, and M. S. Giampapa  
presented at the Eighth Workshop on *Cool Stars, Stellar Systems, and the Sun*
- "Recalibration for the final archive of the International Ultraviolet Explorer (*IUE*) satellite"  
J. L. Linsky and J. Nichols-Bohlin
- "Galaxies with extreme IR and Fe II emission. I. Mrk 231: The signature of a young IR QSO"  
S. Lípári, L. Colina, and F. Macchetto  
to appear in *The Astrophysical Journal*
- "On the interpretation and implications of nova abundances"  
M. Livio and J. W. Truran  
to appear in *The Astrophysical Journal*
- "Probing the galactic disk and halo. I: The NGC 3783 sight line"  
L. Lu, B. D. Savage, and K. R. Sembach  
to appear in *The Astrophysical Journal*

- "UV variability of IRAS 13224-3809, a rapidly X-ray variable far-infrared luminous galaxy"  
 J. M. Mas-Hesse, P. M. Rodríguez-Pascual, L. Sanz Fernández de Córdoba, and Th. Boller  
 to appear in *Astronomy and Astrophysics*
- "X-ray-induced ionization in the winds of near-main-sequence O and B stars"  
 J. J. MacFarlane, D. H. Cohen, and P. Wang  
 to appear in *The Astrophysical Journal*
- " $R_V$ -dependent optical and near-ultraviolet extinction"  
 J. E. O'Donnell  
 to appear in *The Astrophysical Journal*
- "The evidence for clumpy accretion in the Herbig Ae star HR 5999"  
 M. R. Pérez, C. A. Grady, and P. S. Thé  
 To appear in *Astrophysics and Space Science*
- "UV spectral variability in the Herbig Ae star HR 5999. XI. The accretion interpretation"  
 M. R. Pérez, C. A. Grady, and P. S. Thé  
 to appear in *Astronomy and Astrophysics*
- "Synthetic UV lines of Si IV, C IV, and He II from a population of massive stars in starburst galaxies"  
 C. Robert, C. Leitherer, and T. M. Heckman  
 to appear in *The Astrophysical Journal*
- "Silicon and carbon abundances in the Orion Nebula"  
 R. H. Rubin, R. J. Dufour, and D. K. Walter
- "Atmospheric parameters of field subdwarf B stars"  
 R. A. Saffer, P. Bergeron, D. Koester, and J. Liebert  
 to appear in *The Astrophysical Journal*
- "PG 0308+096 and PG 1026+002: Two new short period binary stars resulting from common-envelope evolution"  
 R. A. Saffer, R. A. Wade, J. Liebert, R. F. Green, E. M. Sion, J. Bechtold,  
 D. Foss, and K. Kidder  
 to appear in *The Astronomical Journal*
- "Variability of [OI] 6300 Å emission near Io"  
 F. Scherb and W. H. Smyth  
 to appear in *Journal of Geophysical Research - Planets*
- "Variable extinction in HD 45677 and the evolution of dust grains in pre-main sequence stars"  
 M. L. Sitko, E. M. Halbedel, G. F. Lawrence, J. A. Smith, and K. Yanow  
 to appear in *The Astrophysical Journal*
- "Analysis of hydrogen H- $\alpha$  observations of the coma of Comet P/Halley"  
 W. H. Smyth, M. L. Marconi, F. Scherb, and F. Roesler  
 to appear in *The Astrophysical Journal*
- "UV to near-IR spectral distributions of star-forming galaxies: Metallicity and age effects"  
 T. Storchi-Bergmann, D. Calzetti, and A. L. Kinney  
 to appear in *The Astrophysical Journal*

"Spectral energy distributions of the brightest Palomar-Green quasars at intermediate redshifts"

T. M. Tripp, J. Bechtold, and R. F. Green  
to appear in *The Astrophysical Journal*

"Forbidden velocity gas detected in ultraviolet interstellar absorption towards four distant inner galaxy stars"

T. Tripp, K. R. Sembach, and B. D. Savage

"Multiwavelength monitoring of active galactic nuclei"

C. M. Urry  
to appear in proceedings of the COSPAR symposium in *Advances in Space Research*

"Jets in active galactic nuclei"

C. M. Urry  
to appear in *Frontiers of Space and Ground-Based Astronomy* in the series *Astrophysics and Space Science Library*

"A large, periodic variation in the stellar  $\theta^1$  Orionis C"

N. R. Walborn and J. S. Nichols  
to appear in *Astrophysical Journal (Letters)*

"Analysis of the continuum-Ly $\alpha$ -CIV light curves of Fairall 9"

W. Wamsteker, R. Vio, M. C. Recondo, and K. Horne  
to appear in *The Astrophysical Journal*