

Equilibrium of Fe I in Metal-Poor Stars. *Astrophysical Journal*.

707. D. Hutsemékers and J. Surdej: Formation of P Cygni Line Profiles in Relativistically Expanding Atmospheres. *Astrophysical Journal*.
708. T. Baribaud and D. Alloin: On the Use of [O III] Narrow Line Emission for Scaling Spectrophotometric Data in Active Galactic Nuclei. *Astronomy and Astrophysics*.
709. A. M. Lagrange-Henri et al.: Search for Beta Pictoris-Like Stars. *Astronomy and Astrophysics, Suppl.*
710. L. B. Lucy, I. J. Danziger and C. Gouiffes: Excitation by Line Coincidence in the Spectrum of SN 1987A. *Astronomy and Astrophysics*.
711. J. S. Chen, X.-W. Liu and M.-Z. Wei: CCD Photometry of Unclassified Cataclysmic Variable SS UMi (PG 1551+719). *Astronomy and Astrophysics*.
712. D. Baade, W. Schmutz and M. van Kerkwijk: Short-Term Activity in the γ^2 Velorum System: The O-Type Supergiant is a Nonradially Pulsating Star. *Astronomy and Astrophysics*.
713. A. F. M. Moorwood and E. Oliva: H₂ Emission in Galaxies: Observational Constraints on Ultraviolet Excitation. *Astronomy and Astrophysics*.
A. F. M. Moorwood and L. Origlia: IR Images of the Circinus Galaxy and NGC 4945. To appear in Proceedings of the NOAO/KPNO Conference on Astrophysics with Infrared Arrays.
714. E. Oliva, A. F. M. Moorwood and I. J. Danziger: Infrared Spectroscopy of Supernova Remnants. II. A Detailed Study of RCW 103. *Astronomy and Astrophysics*.
715. Proceedings of the ESO-CERN Topical Workshop on "LEP and the Universe". April 5 and 6, 1990. CERN, Geneva, Switzerland. Organized by J. Ellis, P. Salati and P. Shaver.
716. D. Hutsemékers and E. van Drom: The Supergiant Bep Star CD -42°11721 and Its Surrounding Nebula. *Astronomy and Astrophysics*.
717. W. W. Zeilinger et al.: NGC 5084: A Massive Disc Galaxy with a Tilted Ring. *M. N. R. A. S.*
718. G. Zhao and P. Magain: The Chemical Composition of the Extreme Halo Stars. III. Equivalent Widths of 20 Dwarfs. *Astronomy and Astrophysics Suppl.*
719. A. F. M. Moorwood: Infrared Capabilities of Very Large Groundbased Telescopes. Invited paper presented at the COSPAR XXVIII Symposium "The Infrared and Submillimeter Universe at High Redshifts". To be published in *Advances in Space Research* (Pergamon, Oxford).
720. P. Crane et al.: The Interstellar ¹²C/¹³C Ratio Toward μ Normae. *Astrophysical Journal*.
721. M. Mariani and S. A. Bonometto: Thermal Evolution of Phases During the Cosmological Quark-Hadron Transition. *Astrophysical Journal*.
722. A. Sandage and G. A. Tammann: Steps Toward the Hubble Constant IX: The

ESO FELLOWSHIPS 1991-1992

The European Southern Observatory (ESO) intends to award up to six post-doctoral fellowships tenable in the ESO Headquarters, located in Garching near Munich.

The main areas of activity are:

- to do research in observational and theoretical astrophysics;
- to carry out a programme of development of instrumentation for the La Silla telescopes;
- to develop future telescopes involving new technology;
- to provide data reduction facilities for users of the ESO instruments;
- to provide photographic facilities for atlases of the southern sky;
- to foster cooperation in astronomy and astrophysics in Europe.

Fellows normally participate in one or more of the above. In addition there is the possibility of participating in the activities of the European Coordinating Facility of the Space Telescope (ST-ECF) which has been established at ESO.

Fellows will normally be required to spend up to 25% of their time in supporting activities such as the introduction of users to data reduction facilities, remote control operations and testing new instrumentation.

Fellowships are to be taken up between January and October 1991.

Most of the scientists in the Centre come from the member States of ESO, but several are from other countries. The Member States of ESO are: Belgium, Denmark, the Federal Republic of Germany, France, Italy, the Netherlands, Sweden, and Switzerland. In addition to regular staff members, the Centre comprises visiting scientists, post-doctoral fellows, and graduate students.

ESO facilities include the La Silla Observatory in Chile with its eight telescopes in the range 0.9 to 3.6 m, as well as a 1-m Schmidt, the 15-m SEST and smaller instruments. In Garching, extensive measuring, image processing and computing facilities are available.

Applicants normally should have a doctorate awarded in recent years. The fellowships are granted for one year, with normally a renewal for a second year and occasionally a third year. Applications should be submitted to ESO not later than October 15, 1990. Applicants will be notified in December 1990. The ESO Fellowship Application form should be used. Three letters of recommendation from persons familiar with the scientific work of the applicant should be sent to ESO directly. These letters should reach ESO not later than October 15, 1990.

Enquiries, requests for application forms and applications should be addressed to:

European Southern Observatory
Fellowship Programme
Karl-Schwarzschild-Str. 2
D-8046 GARCHING b. München
Federal Republic of Germany

Cosmic Value of H₀ Freed from All Local Velocity Anomalies. *Astrophysical Journal*.

723. P. A. Shaver: Active Galactic Nuclei in Cosmology (A review of literature published from July 1987 to June 1990, for

1991 IAU Transactions XXIA, Commission 47).

724. P. Molaro and P. Bonifacio: Chemical Abundances of Two New Extreme Metal Poor Giants. *Astronomy and Astrophysics, Letters*.

Visiting Astronomers

(October 1, 1990-April 1, 1991)

Observing time has now been allocated for Period 46 (October 1, 1990-April 1, 1991). As usual, the demand for telescope time was much greater than the time actually available.

The following list gives the names of the visiting astronomers, by telescope and in chronological order. The complete list, with dates, equipment and programme titles, is available from ESO-Garching.

3.6-m Telescope

Oct. 1990: Danziger/Bouchet/Lucy/Fransson/Mazzali/Della Valle/Gouiffes, Gratton/

Snedden, Moehler/de Boer, Mazure et al. - 1-014-43K, Danziger/Bouchet/Lucy/Fransson/Mazzali/Della Valle/Gouiffes, Turatto et al. - 4-004-45K, de Lapparent et al. - 1-003-43K, Shaver, Macchetto/Turnshek, Danziger/Bouchet/Lucy/Fransson/Mazzali/Della Valle/Gouiffes, Turatto et al. - 4-004-45K.

Nov. 1990: Mariotti/Cuby/Lacombe/Léna/Merkle/Perrier/Rigaut, Gallais/Alloin/Rouan/Lançon/Léna/Rigaut/Merkle, Combes M./Léna/Rigaut/Merkle/Cuby/Tomasko/Saint-Pé, Ögelman/Gouiffes/Melnick/Augustejn/Hasinger/Pietsch/Pedersen, Ögelman/Gouiffes, Danziger/Bouchet/Lucy/Fransson/