

Some more refined predesign of the building is under way (see CAD drawing). The present conceptual scheme is based on the inflatable shelter (a half scale model is being erected in Chile). The centre of the dome will be on the telescope base so that the primary mirror is always protected from the direct wind stream. Openings at the base of the building will allow a controlled flushing of the mirror surface. Wind tunnel tests of this concept are being done at the Lausanne Polytechnic.

More in the years to come.

D. Enard, ESO

List of ESO Preprints

(December 1987–February 1988)

550. F. Matteucci: Iron Abundance Evolution in Spiral and Elliptical Galaxies. Invited talk presented at the New Orleans Meeting of the American Chemical Society on "The Origin and Distribution of the Elements", Sept. 1987. *World Scientific*, in press. December 1987.

551. D. Baade et al.: Time-Resolved High-Resolution Spectroscopy of an H α Outburst of μ Cen (B2 IV–Ve). *Astronomy and Astrophysics*. December 1987.

552. A. Robinson: Photoionization of Extended Emission Line Regions. Proceedings of the NATO Advanced Research Workshop on "Cooling Flows in Clusters and Galaxies", held at the Institute of Astronomy, Cambridge, UK, 22–26 June 1987. December 1987.

553. M. Aurière and S. Ortolani: CCD Stellar Photometry in the Central Region of 47 Tuc. *Astronomy and Astrophysics*. December 1987.

554. I.J. Danziger et al.: SN 1987A: Observational Results Obtained at ESO. Paper presented at the Fourth George Mason Fall Workshop in Astrophysics, "Supernova 1987A in the Large Magellanic Cloud", October 12–14, 1987, George Mason University, Fairfax, Virginia, USA. December 1987.

555. A. Moneti et al.: High Spatial Resolution Infrared Imaging of L 1551 – IRS 5: Direct Observations of its Circumstellar Envelope. *The Astrophysical Journal*. December 1987.

556. R. Arsenault and J.-R. Roy: Correlations Between Integrated Parameters and H α Velocity Width in Giant Extragalactic HII Regions: A New Appraisal. *Astronomy and Astrophysics*. December 1987.

557. L.B. Lucy: Modelling the Atmosphere of SN 1987A. Paper presented at the fourth George Mason University Workshop in Astrophysics "SN 1987A in the LMC". December 1987.

558. B. Reipurth and J.A. Graham: New Herbig-Haro Objects in Star Forming Regions. *Astronomy and Astrophysics*. December 1987.

559. H. Dekker: An Immersion Grating for an Astronomical Spectrograph. "Instrumentation for Ground-Based Opti-

CNRS–Observatoire de Haute-Provence and European Southern Observatory

Summer School in Astrophysical Observations Observatoire de Haute-Provence, France, 4–13 July 1988

The school is dedicated to the practice of astrophysical observations and it is organized jointly by OHP and ESO. The aim of the school is to balance the education of young European students in astronomy, offering them an early opportunity to become acquainted with modern astrophysical equipment. Courses and observations will take place at the Observatoire de Haute-Provence where the instrumentation and the facilities for the reduction of digital data are in many respects similar to those available at the world largest optical observatories.

During the school, the students will be asked to carry out a short programme of observations at the 1.93-m telescope with a CCD detector, under the guidance of experienced observers, learn to reduce the data on HP and VAX computers and propose an interpretation of the results.

The courses will mainly be dedicated to the different observational techniques. The preliminary list of speakers and subjects is as follows:

- M. Tarenghi (ESO): Modern und future telescopes
- S. D'Odorico (ESO): Spectroscopic and imaging instrumentation
- M. Dennefeld (IAP): Detectors
- F. Rufener (Genève): Optical photometry
- P. Bouchet (ESO): Infrared photometry
- S. Cristiani (Padova): Low resolution spectroscopy
- D. Gillet (OHP): High resolution spectroscopy
- H. Schwarz (ESO): Polarimetry
- J.M. Mariotti (Lyon): Interferometric observations

Applications: Students from ESO member countries intending to begin a Ph.D in astronomy or in the first years of their thesis are invited to apply using the form available on request from the organizers before May 1st. A letter of introduction by a senior scientist is also required. Fifteen applicants will be selected. Their travelling and living expenses will be fully paid by ESO or OHP.

The Organizers:

A.A. Chalabaev Observatoire de Haute-Provence F-04870 Saint-Michel-l'Observatoire France Telex: 410690 France	S. D'Odorico European Southern Observatory Karl-Schwarzschild-Str. 2 D-8046 Garching F.R.G. Telex: 5282820 eo (F.R.G.) Bitnet address: SANDRO@DGAESO51
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cal Astronomy: Present and Future", ed. Lloyd B. Robinson (Proceedings of the 1987 Summer Workshop in Astronomy and Astrophysics at Lick Observatory). December 1987.

560. L. Noethe et al.: Active Optics II: Results of an Experiment with a Thin 1 m Test Mirror. *Journal of Modern Optics*. December 1987.

561. J. May, David C. Murphy and P. Thaddeus: A Wide Latitude CO Survey of the Third Galactic Quadrant. *Astronomy and Astrophysics*. December 1987.

562. G. Contopoulos and P. Grosbøl: Stellar Dynamics of Spiral Galaxies: Self-Consistent Models. *Astronomy and Astrophysics*. December 1987.

563. F. Barone et al.: On the Optimization of the Wilson-Devinney Method: An Appli-

cation to CW Cas. *Astronomy and Astrophysics*. December 1987.

564. T.J.-L. Courvoisier: Multi Wavelength Observations of Active Galactic Nuclei. Invited paper given at the Strasbourg Colloquium "Coordination of Observational Projects", November 1987.

565. A. Renzini and Fusi Pecci: Tests of Evolutionary Sequences Using Color-Magnitude Diagrams of Globular Clusters. *Annual Review of Astronomy and Astrophysics*. January 1988.

566. L. Deharveng et al.: HII Regions in NGC 300. *Astronomy and Astrophysics*. January 1988.

567. R.H. Méndez et al.: Spectra of 3 Planetary Nebulae and a Search for Nebular Emission Around 12 sdO Stars. *Astronomy and Astrophysics*. January 1988.