

time from the work of G. de Vaucouleurs (for a review, see de Vaucouleurs and Freeman, *Vistas in Astronomy*, **14**, 163, 1972). The outer "shells" are particularly well delineated north of the LMC; 4, perhaps 5 rather sharp borders are seen of which the outermost is just beyond the bright star β Dor (some astronomers think these are "spiral" features). Most of the halo light in this photograph is thought to come from a population of faint stars of intermediate age.

Note also how the giant H II region 30 Doradus, seen as the bright spot NE of the bar, on this picture is much closer to the geometric centre of the LMC than in less deep images. Whether or not it is indeed the "nucleus" of the LMC has been a matter of some debate (cf. Feitzinger, *Space Sci. Rev.* **27**, 35, 1980).

The straight shadow, which crosses the field south of the LMC, belongs to the Milky Way and is believed to be a "cirrus" cloud in the galactic halo. High-resolution Schmidt pictures of the SE part of this feature are shown in an article by Johnson and co-authors (*MNRAS*, **198**, 985, 1982).

Both of the prints shown here demonstrate the power of wide-field imaging to very-low surface brightness levels. Whereas the photographic image (Figure 2) has a wider field and can therefore show larger structures more easily, the CCD reaches fainter light levels, has a better resolution and can be well calibrated.

Wide-field imaging has also a potential for discovery of variable stars and moving objects, such as meteors or comets. The comparison CCD images taken at different epochs can be done by computer or by visual inspection.

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(ESO)

The ESO Exhibition

An ESO Exhibition was open to the public from October 10 to November 11, 1987, at Palais de la Découverte in Paris, France. The next stop will be in the capital of Austria where it opens on December 17, 1987 at the Vienna Planetarium. Negotiations are under way about some possible future exhibition sites, most in the ESO member countries.

With the addition of more panels that describe the newest research results at ESO, the Exhibition has grown during the past year and it has become necessary to put the letting of ESO material to exhibition organizers into system. For this reason, ESO has prepared a pamphlet "The ESO Exhibition - Instructions to Organizers" which gives

The 3rd ESO/CERN Symposium on Cosmology, Astronomy and Fundamental Physics

will be held at the Palazzo Re Enzo, Bologna (Italy)
from 16 to 20 May 1988

The preliminary programme includes the following topics and invited speakers:

Topics

First results from new colliders - Ultrarelativistic nuclear collisions - Standard model of fundamental interactions - Supernova 1987A: observations and interpretations - Dark matter: evidence, candidates and detection - Large scale structure of the universe - Microwave background radiation - High redshift objects - Dynamical parameters of the universe - Underground laboratories - Perspectives for high energy physics - Beyond the standard model.

Invited Speakers

A. Dressler (MWLCO, Pasadena), M. Geller (CfA, Cambridge, MA), W. Hillebrandt (MPPA, Munich), M. Koshiya (CERN, Geneva), R. G. Kron (Yerkes Observ., Univ. of Chicago), L. M. Lederman (Fermilab, USA), D. Lynden-Bell (Univ. of Cambridge, UK), S. Ozaki* (KEK, Japan), F. Pacini (Univ. of Florence), R. B. Partridge (Haverford College, USA), R. D. Peccei (DESY, Hamburg), C. Rubbia (CERN, Geneva), M. Satz (Bielefeld University, FRG), Y. Tanaka* (ISAS, Tokyo), M. S. Turner (Univ. of Chicago/Fermilab), N. Vittorio (Univ. of Rome "La Sapienza"), L. Woltjer (ESO), Ya. B. Zeldovich* (USSR Academy of Sciences, Moscow).

* Participation to be confirmed.

The aim of the symposium is to establish the status of our knowledge on the subject and to provide a forum for discussions among people from different disciplines. To this end about equal time will be dedicated to the formal lectures and to the general discussions on each topic. It is also foreseen to hold a poster session. The audience will be mainly composed of about equal numbers of astrophysicists and particle physicists and will be limited to approximately 250 participants.

The participation in the symposium is by invitation only. People who are definitely interested in participating in the symposium should write to the Scientific Secretariat at the address below prior to 31st January 1988:

Scientific Secretariat
3rd ESO/CERN Symposium
Istituto di Fisica "A. Righi"
Via Irnerio, 46
I-40126 Bologna, Italy

Tel. 051/244490 - Telex 520634 - Telefax 247244

useful information and serves as a basis for discussion about the details of individual exhibitions.

Potential organizers should contact the ESO Information Service, at least six months before the proposed opening date.

STAFF MOVEMENTS

Arrivals

Europe:

BÜTTINGHAUS, Ralf (D), Technician in
Fine Mechanics/Instrument Maker

GOSSET, Eric (B), Fellow
SRINIVASAN, Ganesan (IND), Associate

Chile:

REMY, Marc (B), Associate

Departures

Europe:

JAUCH, Christa (D), Draughtswoman
(Graphics)

Chile:

MONDEREN, Peter (B), Student

Model of the ESO VLT ▶