

The 2nd ESO/CERN Symposium on Cosmology, Astronomy and Fundamental Physics

will be held at ESO, Garching bei München (F.R.G.),
from 17 to 21 March, 1986

The preliminary programme includes the following topics and speakers:

Neutrino Properties (K. WINTER, CERN, Geneva).

Extragalactic Distance Scale (To be announced).

Cosmic Background Radiation: Observations (F. MELCHIORRI, University of Rome).

The Cosmic Background Radiation and the Formation of Structures (R. A. SUNYAEV*, Space Research Institute, Moscow).

Experimental Status and Prospects of Particle Physics (C. RUBBIA, CERN, Geneva/Harvard University, Cambridge, MA).

Prospects for Future High-Energy Accelerators (S. VAN DER MEER, CERN, Geneva).

High Energy Gamma Ray Sources (To be announced).

Acceleration of High Energy Particles (C. CESARSKY, Observatoire de Meudon, Paris).

Superstrings and Their Cosmological Implications (M.B. GREEN, Queen Mary College, London).

Superdense Matter: Cosmological Aspects (D.N. SCHRAMM, University of Chicago).

Superdense Matter: Laboratory Aspects (K. KAJANTIE, University of Helsinki).

Inflationary Scenarios for the Early Universe (To be announced).

The Age of the Observable Universe in the Inflationary Cosmology (W.A. FOWLER, Caltech, Pasadena).

Distribution of Galaxies and Their Clustering Properties (G. EFSTATHIOU, University of Cambridge).

Particle Dark Matter (J. PRIMACK, University of California, Santa Cruz).

Astrophysical Dark Matter (M. J. REES, University of Cambridge).

Singularities in General Relativity: Possible Astronomical Implications (S. CHANDRASEKHAR, University of Chicago).

Concluding Lecture (D.W. SCIAMA, Oxford University/ISAS, Trieste).

* Participation has not yet been 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. The audience will be mainly composed of about equal numbers of astrophysicists and particle physicists and will be limited to approximately 150 participants.

The participation in the symposium is by invitation only. People who are definitely interested in participating in the

symposium should write to the chairmen of the Scientific Organizing Committee at the addresses below prior to 30 November 1985.

Prof. G. Setti
ESO
Karl-Schwarzschild-Str. 2
D-8046 Garching bei München
F.R.G.

Prof. L. van Hove
CERN
TH Division
CH-1211 Genève 23
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Globular Clusters in NGC 3109: Probes for the Study of Galaxy Evolution

E. H. Geyer, Observatorium Hoher List der Universitäts-Sternwarte Bonn

M. Hoffmann, Astronomisches Institut der Universität Münster

Any observer at La Silla who is not working in a telescope control room or watching a movie during a stormy night has the opportunity to see one of the most splendid wonders in the

sky without any telescope: Omega Centauri, seemingly a patchy star, but in fact the brightest globular cluster of our Galaxy. Such massive subsystems of a galaxy, each with a