



CEA DSM-DAPNIA Service d'Astrophysique

An ESO, CNES, CEA-DAPNIA-SAP Workshop

# Structure Evolution and Cosmology

A New Synergy between Ground based Observations, Space Observations and Theory

SANTIAGO - CHILE • OCTOBER 28-31, 2002

**SCIENCE TOPICS:**

- TUTORIAL: Introduction to Cosmology
- CMB, Sunyaev-Zeldovich effect
- Large Scale Structure: theory, observations
- Clusters in the Perspective of Cosmology
- Weak and Strong lensing
- Lyman  $\alpha$  Forest
- Galaxy formation
- LSS Simulations
- XMM-LSS Project
- SWIRE Project
- Theoretical Advances in Cosmology
- Forthcoming Astronomical Facilities in Chile

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The poster features several astronomical images: a central image of a galaxy cluster, a top-right image of a Cosmic Microwave Background (CMB) fluctuation map, and a bottom-right image of a galaxy filament network. A diagonal cross is drawn over the central image. The text is arranged in a structured layout with logos at the top left and contact information at the bottom.

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[estampa] :

Libros y documentos

FECHA DE PUBLICACIÓN

2002

FORMATO

Estampa

### **DATOS DE PUBLICACIÓN**

Structure Evolution and Cosmology A New Sinergy between Ground based Observations, Space Observation and Theory. [estampa] :. Santiago, Chile : [Editor no identificado], 2002. 1 cartel (afiche) : color ; cm.

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