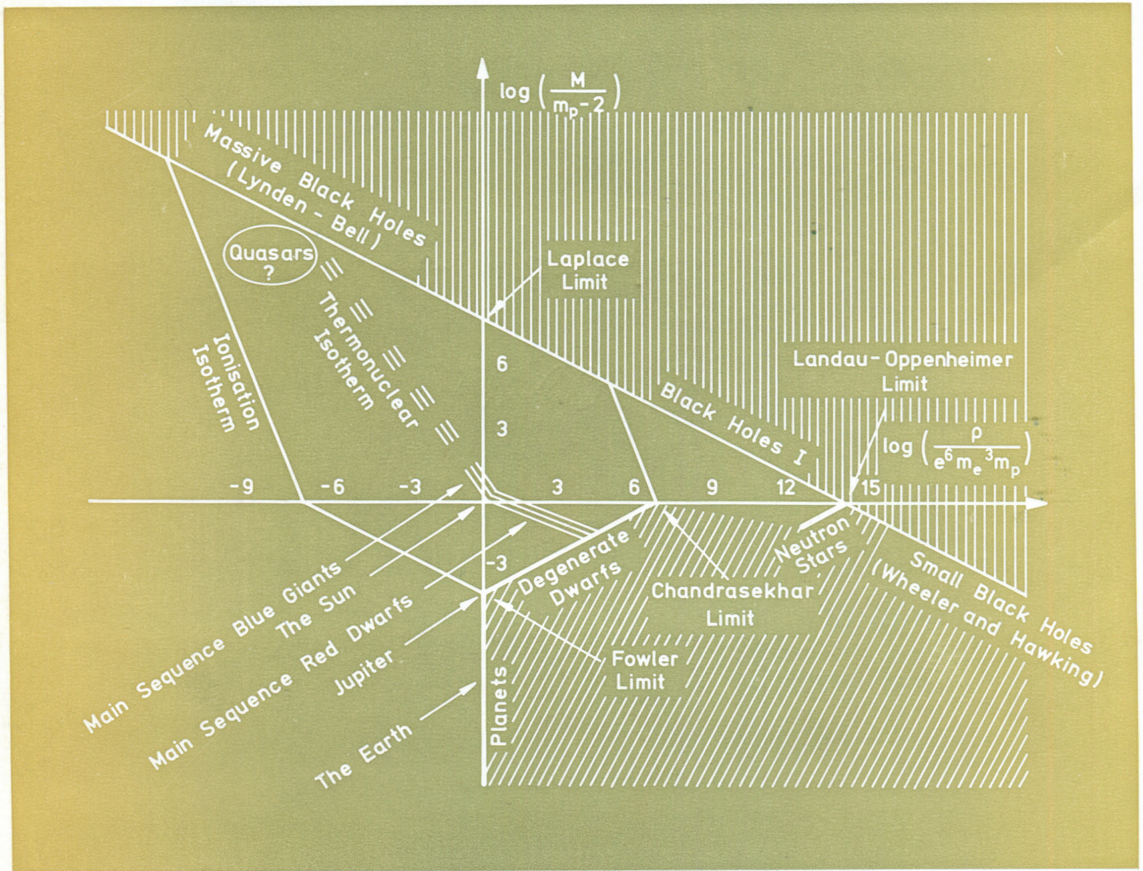


# CONFRONTATION OF COSMOLOGICAL THEORIES WITH OBSERVATIONAL DATA

Edited by M. S. LONGAIR



INTERNATIONAL ASTRONOMICAL UNION  
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DORDRECHT-HOLLAND / BOSTON-U.S.A.

# CONFRONTATION OF COSMOLOGICAL THEORIES WITH OBSERVATIONAL DATA

SYMPOSIUM No. 63

This Symposium was held in Cracow, Poland, as part of the Extraordinary General Assembly of the I.A.U. in commemoration of the 500th anniversary of the birth of Nicolaus Copernicus. The contributions to the Symposium centred on the problems of the hot-big-bang model of the Universe. The six sessions of the Symposium were devoted to the Contemporary Structure and Dynamics of the Universe, the Structure of the Universe, the Relic Radiation, the Origin of Structure in the Expanding Universe, the Structure of the Singularity, and Physical Processes near the Singularity. All observational aspects of cosmology were reviewed in the light of current cosmological theories which resulted in a most complete up-to-date volume that discusses all the major regions of debate and controversy in depth.

*Audience:*

Research workers in Cosmology, General Relativity, and High Energy Astrophysics. This book can also be used as supplementary reading for graduate courses in observational and theoretical cosmology.

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