

Preface

This volume contains selected lectures presented at the Spanish Relativity Meeting on Relativistic Astrophysics held at the Escuela Técnica Superior de Ingenieros Navales of Madrid, Spain, in September 2001.

The meeting centered on the study of several aspects of Relativistic Astrophysics from various viewpoints: theoretical, numerical and observational. Lectures and contributions dealt with issues related to black holes (accretion, thermodynamics, gravitational collapse, stability), numerical and perturbative aspects of astrophysical processes (black hole evolution, relativistic stars, jet hydrodynamics. . .) and production and detection of gravitational waves. Other topics and animations are enclosed in the accompanying CD-ROM.

Lectures and contributions are intended to cover the gap between undergraduate courses and current research in the field, including the most recent advances in Relativistic Astrophysics.

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