

THE ORIGIN AND EVOLUTION OF NEUTRON STARS

D. J. HELFAND and J.-H. HUANG (EDS.)

The thirty-seven invited reviews in this book provide an important summary of the various theoretical and observational studies of neutron stars: radio pulsars, X-ray binaries, and gamma-ray bursters. Since the first observation of a "little bit of scruff" on her chart record by Jocelyn Bell Burnell, 25 years ago, work on neutron stars has continued apace and, in recent times, has experienced a new wave of excitement, with such discoveries as the millisecond pulsars and quasiperiodic oscillations in X-ray binaries.

The book also contains abstracts of 75 contributed papers, which bring the reader a glimpse of the exciting observational and theoretical developments currently being worked on. The work is a valuable reference source for researchers with an interest in neutron stars, and an informative introduction to the field for the graduate student and for the specialist from another discipline wishing to gain experience.

Cover picture:

Left: The ancient record about the Guest Star BC 532 in "Zhu-Shu-Ji-Nian" (Column 4). Right: The ancient records about AD 1054 in "Sung-Hui-Yao".

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