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Representation of the entropy distribution in a nascent neutron star about 20 milliseconds after the collapsing core of its parent star stiffens and bounces. The shocked region experiences hydrodynamic instabilities that violate spherical symmetry and that may be central to the eventual understanding of supernovae and pulsars.

See page 430. The entropy values span the spectrum from purple through blue and red, with the highest values represented by red; the black core shows the inner dense stable region. [Image: Adam Burrows and Bruce A. Frixyll]


Spontaneous Hypercholesterolemia and Arterial Lesions in Mice Lacking Apolipoprotein E S. H. Zhang, R. L. Reddick, J. A. Piedrahita, N. Maeda


DNA Polymerase β and DNA Synthesis in Xenopus Oocytes and in a Nuclear Extract T. M. Jenkins, J. K. Saxena, A. Kumar, S. H. Wilson, E. J. Ackerman

The Primary Structure of MEK, a Protein Kinase That Phosphorylates the ERK Gene Product C. M. Crews, A. Alessandri, R. L. Erikson

Removal of Nonhomologous DNA Ends in Double-Strand Break Recombination: The Role of the Yeast Ultraviolet Repair Gene RAD 1 J. Fishman-Lobell and J. E. Haber

Interaction of the Immunosuppressant Deoxyspergualin with a Member of the Hsp70 Family of Heat Shock Proteins S. G. Nadler, M. A. Tepper, B. Schacter, C. E. Mazzucco