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COVER

Time-phased x-ray images of the Crab Nebula and pulsar from the Einstein Observatory. The upper photograph, synchronized to the pulse peak, is dominated by the pulsar. The lower photograph, synchronized to the pulsar "off" state, is dominated by the extended nebular emission. The residual emission from the pulsar location is used to estimate a maximum temperature for the neutron star surface. See page 865. [F. R. Harnden, Jr., Harvard-Smithsonian Center for Astrophysics, Cambridge, Massachusetts]