



**Chandra X-ray  
Observatory Center**

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**Kes 75:** A supernova remnant located almost 20,000 light years from Earth.  
(Credit: NASA/CXC/GSFC/F.P.Gavriil et al.)

**Caption:** A deep Chandra X-ray Observatory image shows the supernova remnant Kes 75 that was created when a massive star exploded. The pulsar (bright central object) is a rapidly spinning neutron star that is the dense remaining core of the star. The pulsar's rapid rotation and strong magnetic field has created a large bubble of high-energy particles (blue region around the pulsar.) The magnetic field of the pulsar in Kes 75 is thought to be more powerful than most other pulsars. However, it is less powerful than magnetars, a class of neutron star with the most powerful magnetic fields known in the Universe, therefore making the true nature of this object puzzling.

**Scale:** Image is 4.5 arcmin across.

*Chandra X-ray Observatory ACIS Image*

*CXC operated for NASA by the Smithsonian Astrophysical Observatory*