



**Chandra X-ray  
Observatory Center**

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**Kes 75:** A supernova remnant located about 19,000 light years from Earth.  
(Credit: X-ray: NASA/CXC/NCSU/S. Reynolds; Optical: PanSTARRS)

**Caption:** Scientists have confirmed the identity of the youngest known pulsar in the Milky Way galaxy using X-ray data from Chandra (blue, purple, and pink) that have been combined in this image with optical data from the Sloan Digital Sky Survey. Chandra observations reveal that a cocoon of high-energy particles at the center of the Kes 75 is moving at a remarkably high speed. This and other properties revealed by Chandra and other telescope give astronomers insight into the exploded star and the environment around it.

**Scale:** About 6.5 arcmin across (about 36 light years across)

*Chandra X-ray Observatory ACIS Image*

*CXC operated for NASA by the Smithsonian Astrophysical Observatory*

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