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)