



**Chandra X-ray
Observatory Center**

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NGC 4696: Centaurus Cluster: A cluster of galaxies located about 145 million light years from Earth.
(Credit: X-ray: NASA/CXC/MPE/J.Sanders et al.; Optical: NASA/STScI; Radio: NSF/NRAO/VLA)

Caption: Data from Chandra and other telescopes have provided evidence for repeated bursts of energetic particles generated by the supermassive black hole at the center of the Centaurus Cluster. This composite image contains X-ray data from Chandra (red) that reveals the hot gas in the cluster, and radio data from the VLA (blue) that shows high-energy particles produced by jets powered by the black hole. Visible light data from Hubble (green) show galaxies in the cluster as well as galaxies and stars outside the cluster.

Scale: Image is about 2.2 arcmin (about 14 million light years) across

Chandra X-ray Observatory ACIS Image

CXC operated for NASA by the Smithsonian Astrophysical Observatory
