



**Chandra X-ray
Observatory Center**

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Abell 2261: A galaxy cluster located about 2.7 billion light years from Earth.
(Credit: X-ray: NASA/CXC/Univ of Michigan/K. Gültekin; Optical: NASA/STScI and NAOJ/Subaru;
Infrared: NSF/NOAO/KPNO)

Caption: This image of Abell 2261 contains X-ray data from Chandra (pink) showing hot gas pervading the cluster as well as optical data from Hubble and the Subaru Telescope that show galaxies in the cluster and in the background. Astronomers used these telescopes to search galaxy in the center of the image for evidence of a black hole, weighing between 3 and 100 billion times the Sun, that is expected to be there. No sign of this black hole was found, deepening a mystery about what is happening in this system.

Scale: Image is about 3 arcmin (2.2 million light years) across.

Chandra X-ray Observatory ACIS Image

CXC operated for NASA by the Smithsonian Astrophysical Observatory
