Abell 2597: A galaxy cluster about 1.1 billion light years from Earth.

Caption: A composite image of the galaxy cluster Abell 2597 shows a dramatic galactic fountain in action. This view combines X-rays from Chandra (purple), submillimeter data from ALMA (yellow), and optical data from the VLT (red). In Abell 2597, there are vast amounts of gas falling toward a supermassive black hole, where a combination of gravitational and electromagnetic forces sprays most of the gas away from the black hole in an ongoing cycle lasting tens of millions of years.

Scale: About 15 arcseconds (75,000 light years) across

Chandra X-ray Observatory ACIS Image

CXC operated for NASA by the Smithsonian Astrophysical Observatory