



**Chandra X-ray  
Observatory Center**

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**Zwicky 8338:** A galaxy cluster located almost 700 million light years from Earth.  
(Credit: X-ray: NASA/CXC/University of Bonn/G. Schellenberger et al; Optical: INT)

**Caption:** An extraordinary ribbon of hot gas trailing behind a galaxy like a tail has been discovered using data from NASA's Chandra X-ray Observatory. This ribbon, or X-ray tail, is likely due to gas stripped from the galaxy as it moves through a vast cloud of hot intergalactic gas. With a length of at least 250,000 light years, it is likely the largest such tail ever detected. The newly discovered tail is seen in this composite image of X-rays (blue) and optical data (yellow).

**Scale:** Image is 3.6 arcmin across (about 700,000 light years)

*Chandra X-ray Observatory ACIS Image*

*CXC operated for NASA by the Smithsonian Astrophysical Observatory*

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