



## Abell 3376

This X-ray image shows the galaxy cluster known as Abell 3376 as seen by Chandra and the now-retired German satellite ROSAT. The “bullet-like” appearance of the X-ray data is caused by a merger of this cluster with material flowing into it from the right side of the image. Scientists used this cluster and similar ones to study the properties of gravity on cosmic scales and test Einstein’s theory of General Relativity. No deviations from Einstein’s theory were seen. Such studies are crucial for understanding the evolution of the Universe—both in its past and its future—and for probing the nature of dark energy, one of the biggest mysteries in science.

## October 2011

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