

Image: Hubble views galaxy's dazzling display

December 13 2019



Credit: ESA/Hubble & NASA, D. Rosario et al.

NGC 3175 is located around 50 million light-years away in the constellation of Antlia (the Air Pump). The galaxy can be seen slicing across the frame in this image from the NASA/ESA Hubble Space Telescope, with its mix of bright patches of glowing gas, dark lanes of dust, bright core, and whirling, pinwheeling arms coming together to paint a beautiful celestial scene.

The galaxy is the eponymous member of the NGC 3175 group, which has been called a nearby analog for the Local Group. The Local Group contains our very own home galaxy, the Milky Way, and around 50 others—a mix of spiral, irregular and [dwarf galaxies](#). The NGC 3175 group contains a couple of large spiral galaxies—the subject of this image and NGC 3137—and numerous lower-mass spiral and satellite galaxies. Galaxy groups are some of the most common galactic gatherings in the cosmos, and they comprise 50 or so [galaxies](#) all bound together by gravity.

This image comprises observations from Hubble's Wide Field Camera 3.

Provided by NASA's Goddard Space Flight Center

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