

Hubble view of a special spiral galaxy

October 24 2013



Credit: ESA/Hubble & NASA

(Phys.org) —The image, captured by the NASA/ESA Hubble Space Telescope, shows part of NGC 3621, an unusual spiral galaxy located

over 20 million light-years away in the constellation of Hydra (The Water Snake).

The small, bright nucleus on the right of the image does not have the significant bulge of older stars that is common in spiral [galaxies](#), marking NGC 3621 as a "pure-disc" galaxy. Many luminous clumps of blue young stars are scattered along the loose spiral arms, which are partially obscured by the dark dust lanes snaking across the frame.

This galaxy is very useful for astronomers; some of its brightest stars can be used to estimate extragalactic distances, allowing us to measure the vast scale of the universe.

Provided by NASA

Citation: Hubble view of a special spiral galaxy (2013, October 24) retrieved 3 May 2024 from <https://phys.org/news/2013-10-hubble-view-special-spiral-galaxy.html>

<p>This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.</p>
--