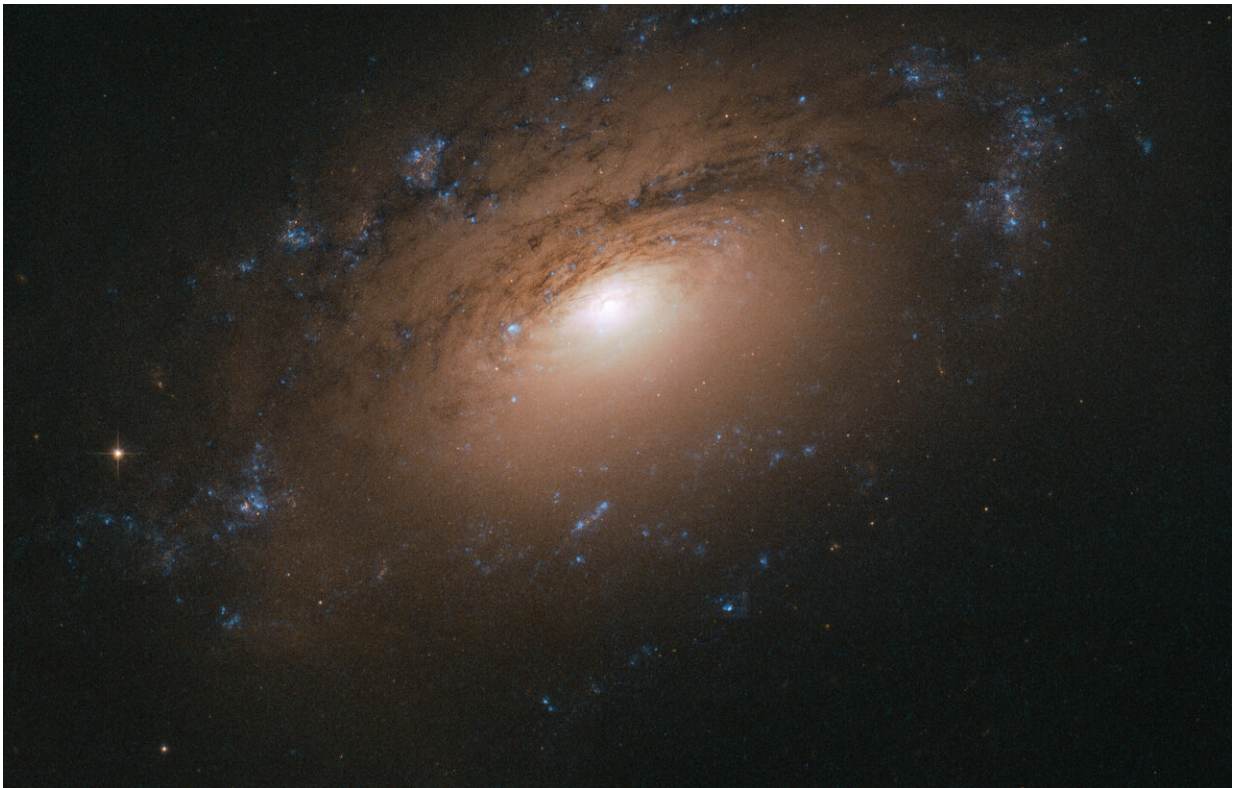


Image: Hubble snaps a galactic potpourri of particles

July 29 2019



Credit: ESA/Hubble & NASA, L. Ho

Every now and then, the NASA/ESA Hubble Space Telescope glimpses a common object—say, a spiral galaxy—in an interesting or unusual way. A sharply angled perspective, such as the one shown in this Hubble image, can make it seem as if we, the viewers, are craning our necks to

see over a barrier into the galaxy's bright center.

In the case of NGC 3169, this barrier is the thick dust embedded within the galaxy's spiral arms. Cosmic dust comprises a potpourri of particles, including water ice, hydrocarbons, silicates and other solid material. It has many origins and sources, from the leftovers of star and planet formation to molecules modified over millions of years by interactions with starlight.

NGC 3169 is located about 70 million light-years away in the constellation of Sextans (the Sextant). It is part of the Leo I Group of galaxies, which, like the Local Group that houses our home galaxy, the Milky Way, is part of a larger galactic congregation known as the Virgo Supercluster.

Provided by NASA's Goddard Space Flight Center

Citation: Image: Hubble snaps a galactic potpourri of particles (2019, July 29) retrieved 12 September 2024 from

<https://phys.org/news/2019-07-image-hubble-snaps-galactic-potpourri.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>
