

In the core of NGC 1300's larger spiral structure, the nu these secondary inner disks – a spiral within a spiral. A

With Hubble's resolution, many never before seen fine well resolved across the spiral arms. Dust lanes trace o r before seen fine details are revealed throughout the galaxy's arms, disk, bulge, and nucleus. Blu Dust lanes trace out fine structures in the disk and bar. Numerous, more distant galaxies are visibl ie and red supergiant stars, star clusters, and star-forming regions are le in the background, even through the densest regions of NGC 1300.

The Hubble telescope captured a display of starlight, glowing gas, and silhouetted dark clouds of interstellar dust in this image of the barred spiral galaxy NGC 1300. NGC 1300 lies roughly 69 million light-years away and is considered a prototypical barred spiral galaxy. Barred spirals differ from normal spiral galaxies in that the arms of the galaxy do not spiral all the way into the center, but are connected to the two ends of a straight bar of stars containing the nucleus at its center.



Hubble Space Telescope – Advanced Camera for Surveys NASA, ESA, and The Hubble Heritage Team (STScI/AURA); Acknowledgment: P. Knez

cleus shows its own extraordinary and distinct spiral structure that is about 3,300 light-years across. Only galaxies with large-scale bars appear to have stronomers refer to these as 'grand design' galaxies.











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