

Glowing gas and dust in a star-forming region in Cassiopeia. Located 6,000 lightyears away along the Perseus spiral arm of the Milky Way galaxy.



IC 1795

Irregular galaxies lack an obvious structure.



M13: The Great Globular Cluster in Hercules

<http://apod.nasa.gov/apod/ap040511.html>

Spiral galaxies are disc-shaped with a bulging center.



Barred galaxies have spiral arms, but not uniform.



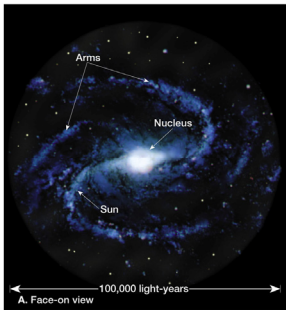
NGC 1365: Majestic Island Universe

<http://apod.nasa.gov/apod/ap070328.html>

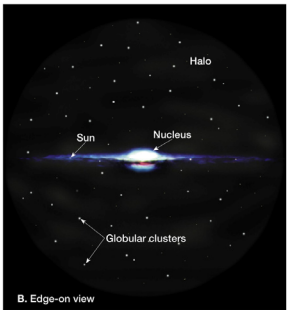
There are $\approx 2,000,000,000,000$ galaxies in universe ($\approx 2 \times 10^{12}$).

There are $\approx 300,000,000,000$ stars in a galaxy ($\approx 3 \times 10^{11}$).

The Milky Way Galaxy, an SBc barred spiral galaxy.

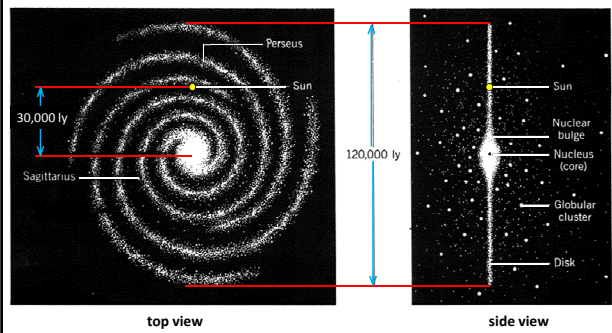


A. Face-on view

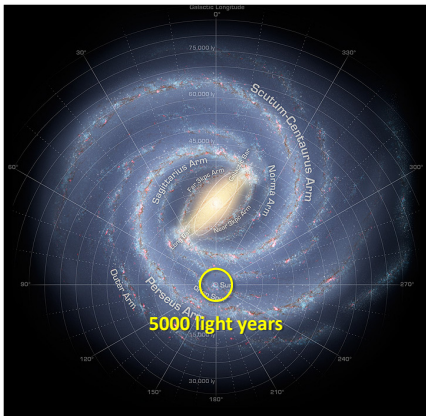


B. Edge-on view

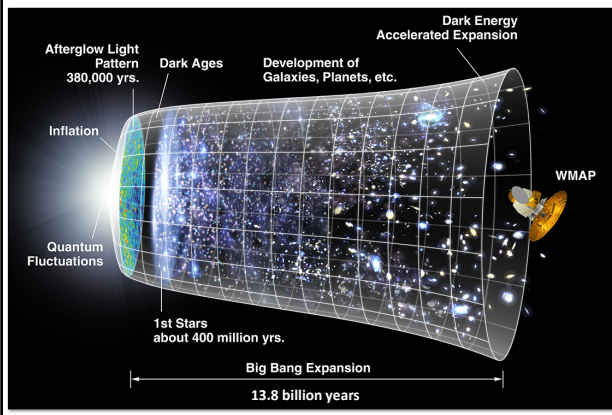
The SBc Milky Way Galaxy.



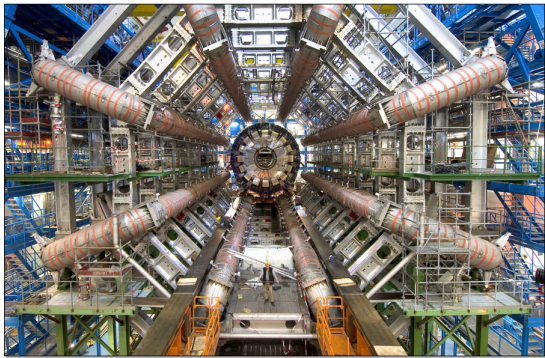
Annotated map of the SBc Milky Way Galaxy.



The universe is expanding at an ever-increasing rate.



Large Hadron Collider is searching for WIMPs, MACHOs, and the Higgs Boson.



CERN in three minutes CERN Hawking CERN rap