

Cosmology/Astrophysics News



Black hole swallowing star

February 19, 2020 for Rose City Astronomers SIG

<http://101iq.com/RCA>

Science – January 17, 2020

- Decay of the coronal magnetic field can release sufficient energy to power a solar flare
 - <https://science.sciencemag.org/content/367/6475/278>
- Stormy water on Mars: The distribution and saturation of atmospheric water during the dusty season
 - <https://science.sciencemag.org/content/367/6475/297>

Nature – January 23, 2020

- No cosmology/astrophysics this issue

Science – January 24, 2020

- Planetary turmoil unleashed during Solar System Infancy – suggest earlier upheaval by gas giants and explain small size of Mars
 - <https://science.sciencemag.org/content/367/6476/350>
- A type Ia supernova at the heart of superluminous transient SN 2006gy
 - <https://science.sciencemag.org/content/367/6476/415>

Nature – January 30, 2020

- No cosmology/astrophysics this issue

Science – January 31, 2020

- Black holes caught in the act of swallowing stars
 - <https://www.sciencemag.org/news/2020/01/black-holes-caught-act-swallowing-stars>
- Lense-Thirring frame dragging induced by a fast-rotating white dwarf in a binary pulsar system
 - <https://science.sciencemag.org/content/367/6477/577.editor-summary>

Nature – February 6, 2020

- World most powerful solar telescope (Daniel K Inouye Solar Telescope) in Hawaii (4 meters) takes highest resolution photos of the Sun and will make the most precise measurements of its magnetic field including the corona
- An orbital water-ice cycle on comet 67P from color changes
 - <https://www.nature.com/articles/s41586-020-1960-2>

Science – February 7, 2020

- No cosmology/astrophysics news this issue

Nature – February 13, 2020

- A Galactic-scale gas wave in the solar neighborhood
 - <https://www.nature.com/articles/s41586-019-1874-z>

Miscellaneous

- Next meeting March 18, 2020
- Dark matter not needed maybe?
 - <https://www.uni-bonn.de/news/030-2020>
 - <https://arxiv.org/pdf/2002.01941.pdf>