

Cosmology/Astrophysics News

Small Magellanic Cloud ,
star-forming region

August 2021 for Rose City Astronomers SIG

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

Nature – August 5, 2021

- Webb telescope might get new name
 - <https://www.nature.com/articles/d41586-021-02010-x>
- China's space station is preparing to host 1,000 scientific experiments
 - <https://media.nature.com/original/magazine-assets/d41586-021-02018-3/d41586-021-02018-3.pdf>
- Global upper-atmospheric heating on Jupiter by the polar aurorae
 - <https://www.nature.com/articles/s41586-021-03706-w>

Science – August 6, 2021

- No cosmology/astrophysics news this issue

Nature – August 12, 2021

- No cosmology/astrophysics news this issue

Science – August 13, 2021

- How massive is that black hole?
 - <https://science.sciencemag.org/content/373/6556/734.summary>
- Searching for life on Mars and its moons
 - <https://science.sciencemag.org/content/373/6556/742.summary>
- A characteristic optical variability time scale in astrophysical accretion disks
 - <https://science.sciencemag.org/content/373/6556/789.editor-summary>
 - <https://science.sciencemag.org/content/373/6556/789>

Nature – August 19, 2021

- Exotic four-quark particle spotted at large hadron collider
 - <https://www.nature.com/articles/d41586-021-02174-6>
- Lenghu on the Tibetan Plateau as an astronomical observing site
 - <https://www.nature.com/articles/s41586-021-03711-z>

Science – August 20, 2021

- Methane on Mars is transient and local
 - <https://www.aanda.org/articles/aa/abs/2021/06/aa40389-21/aa40389-21.html>

Nature – August 26, 2021

- Chromatic periodic activity down to 120 megahertz in a fast radio burst
 - <https://www.nature.com/articles/s41586-021-03724-8>

Science – August 27, 2021

- Scaled down, martian model habitat rises again in desert
 - <http://science.sciencemag.org/content/373/6558/952>
- Ancient supernovae might have upended Earth's evolution
 - <https://www.sciencemag.org/news/2021/08/ancient-supernovae-might-have-upended-earth-s-evolution>
- One third of Sun-like stars may have eaten their planets
 - <https://www.sciencemag.org/news/2021/08/one-third-sun-stars-may-have-eaten-their-planets>

Miscellaneous

- Some more articles:

- <https://www.forbes.com/sites/startswithabang/2021/07/27/the-standard-model-is-an-orphan-theory-now/?sh=525bccae25ff>
- <https://scitechdaily.com/the-odd-couple-groundbreaking-new-discovery-from-gravitational-whispers/>
- <https://scitechdaily.com/astrophysicists-on-the-hunt-for-hierarchical-black-holes/>

- Next in-person meeting will be when pandemic is over. Please stay safe!

- In the meantime, I will post this monthly news possibly with zero or more videos to watch, as for example, these:

- <https://www.youtube.com/watch?v=b2O9irgjeXU>
- <https://www.youtube.com/watch?v=C86jUPuuZKQ>