

# Cosmology/Astrophysics News

UFO or  
something else?

May 2021 for Rose City Astronomers SIG

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

# Nature – April 29, 2021

- X-ray quasi-periodic eruptions from two previously quiescent galaxies
  - <https://www.nature.com/articles/s41586-021-03394-6>

# Nature – May 6, 2021

- Dim stars that have failed at fusion are masters of spin
  - <https://www.nature.com/articles/d41586-021-01122-8>
- Muon results throw physics theories into confusion
  - <https://www.nature.com/articles/d41586-021-01033-8>
  - <https://arxiv.org/pdf/2002.12347.pdf>
  - <https://media.nature.com/original/magazine-assets/d41586-021-01172-y/d41586-021-01172-y.pdf>
- Black hole jets bent by magnetic fields
  - <https://www.nature.com/articles/d41586-021-01171-z>

# Science – May 7, 2021

- “Campfires” may drive heating of solar atmosphere
  - <https://science.sciencemag.org/content/372/6542/557>

# Nature – May 13, 2021

- No cosmology/astrophysics news this issue

# Science – May 14, 2021

- The hunt for habitable planets gets a new tool
  - <https://science.sciencemag.org/content/372/6543/692>
- $^{60}\text{Fe}$  and  $^{244}\text{Pu}$  deposited on Earth constrain the r-process yields of recent nearby supernovae
  - <https://science.sciencemag.org/content/372/6543/742>

# Nature – May 20, 2021

- Voyager 1 captures faint ripples in interstellar space
  - <https://www.nature.com/articles/d41586-021-01258-7>
- Iron and nickel vapors present in most comets
  - <https://www.nature.com/articles/d41586-021-01265-8>
  - <https://www.nature.com/articles/s41586-021-03435-0>
  - <https://www.nature.com/articles/s41586-021-03485-4>

# Science – May 21, 2021

- Megakelvin “campfires” on the sun
  - <https://www.aanda.org/articles/aa/pdf/forth/aa40380-21.pdf>

# Nature – May 27, 2021

- Evidence of hydrogen-helium immiscibility at Jupiter-interior conditions
  - <https://www.nature.com/articles/s41586-021-03516-0>

# Science – May 28, 2021

- No cosmology/astrophysics this issue

# Miscellaneous

- Next in-person meeting will be when pandemic is over. Please stay safe!
- In the meantime, I will post this monthly news possibly with a video to watch, as for example, these:
- [https://www.youtube.com/watch?v=4\\_qJptwikRc](https://www.youtube.com/watch?v=4_qJptwikRc)
- <https://www.youtube.com/watch?v=ZIdmJ70QdCQ>
- <https://www.youtube.com/watch?v=ZKDeLu13sSI>