

Cosmology/Astrophysics News



Artist's concept of winds
around a red dwarf star

April 2020 for Rose City Astronomers SIG

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

Nature – April 2, 2020

- No cosmology/astrophysics news this issue

Science – April 3, 2020

- Hawaii telescopes shut, including Event Horizon Telescope – due to pandemic
- Hayabusa2 craft creates crater on asteroid Ryugu, samples to be collected
 - <https://science.sciencemag.org/content/368/6486/67>

Nature – April 9, 2020

- No cosmology/astrophysics this issue

Science – April 10, 2020

- Measurement of the wind speed on a brown dwarf
 - <https://science.sciencemag.org/content/368/6486/67>
 - <https://public.nrao.edu/news/brown-dwarf-wind-speed/>

Nature – April 16, 2020

- Neutrino – Antineutrino symmetry violated – might explain why there is little antimatter in universe
 - <https://www.nature.com/articles/d41586-020-01000-9>
 - <https://www.nature.com/articles/s41586-020-2177-0>
 - <https://www.nature.com/articles/524168a>
 - <https://www.nature.com/articles/506043a>

Science – April 17, 2020

- Dazzling stellar explosion – supernova SN2016aps brightest observed

– <https://www.smithsonianmag.com/smart-news/astronomers-spy-brightest-supernova-ever-seen-180974674/>

Nature – April 23, 2020

- The wide-binary origin of (2014) MU69-like Kuiper belt contact binaries
 - <https://www.nature.com/articles/s41586-020-2194-z>
- Collision of 8 and 31 solar mass black holes
 - <https://www.scientificamerican.com/article/this-black-hole-collision-just-made-gravitational-waves-even-more-interesting/>

Science – April 24, 2020

- Super-rotating Venus atmosphere – 60 times faster than planet
 - <https://science.sciencemag.org/content/368/6489/363>
 - <https://science.sciencemag.org/content/368/6489/405>

Miscellaneous

- Next meeting will be when pandemic is over
- In the meantime, I will post this monthly news possibly with a video to watch, as for example, this:
- Video lecture (thanks Ken Kendall)
 - Brian Green talks about black holes:
 - <https://www.youtube.com/watch?v=M22MESHcyx8>
- Article (thanks Sunita Marathe)
 - <https://www.bbc.com/news/science-environment-52297058>