

Cosmology/Astrophysics News

Centaurus A

April 2023 for Rose City Astronomers SIG

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

Nature – April 6, 2023

- JWST Spots sandstorm on distant gas giant
 - <https://www.livescience.com/james-webb-telescope-spots-dust-storm-raging-on-a-giant-planet-nearly-20-times-the-size-of-jupiter>
- Astronomers and other scientists cutting their carbon footprint
 - <https://www.nature.com/articles/d41586-023-00837-0>
- JWST gets best view yet of planet in hotly pursued star system
 - <https://www.nature.com/articles/d41586-023-00876-7>
- Distant black-hole pair spotted in galaxy merger
 - <https://www.nature.com/articles/d41586-023-00950-0>
 - <https://www.nature.com/articles/s41586-023-05766-6>

Science – April 7, 2023

- Magnets wipe memories from meteorites, erasing billion-year-old data
 - <https://www.science.org/content/article/magnets-wipe-memories-meteorites-erasing-billion-year-old-data>
- Low cost array hunts radio bursts, black holes
 - <https://www.science.org/content/article/giant-array-of-low-cost-telescopes-could-speed-hunt-for-radio-bursts>
- Jupiter's ocean moons targeted by spacecraft
 - <https://www.science.org/content/article/spacecraft-explore-habitability-jupiter-s-ocean-moons>

Nature – April 13, 2023

- Earth's molten youth had long-lasting consequences
 - <https://www.nature.com/articles/d41586-023-00979-1>
 - <https://www.nature.com/articles/s41586-023-05823-0>
- A population of red candidate massive galaxies
~600Myr after the big bang
 - <https://www.nature.com/articles/s41586-023-05786-2>

Science – April 14, 2023

- Direct imaging and astrometric detection of a gas giant planet orbiting an accelerating star
 - <https://arxiv.org/pdf/2212.00034.pdf>

Nature – April 20, 2023

- Jupiter mission will be first to orbit moon of another planet
 - <https://www.nature.com/articles/d41586-023-01256-x>

Science – April 21, 2023

- No cosmology/astrophysics this issue

Nature – April 27, 2023

- A ring-like accretion structure in M87 connecting its black hole and jet
 - <https://www.nature.com/articles/s41586-023-05843-w>

Science – April 28, 2023

- Astronomers try to catch titanic black hole clashes in action
 - <https://www.science.org/content/article/astronomers-try-catch-titanic-black-hole-clashes-action>
- A magnified compact galaxy at redshift 9.51 with strong nebular emission lines
 - <https://www.science.org/doi/10.1126/science.adf5307>

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 zero or more videos and links to watch, as for example, these:
 - <https://www.youtube.com/watch?v=EuGKf9jcnes>
 - <https://www.youtube.com/watch?v=OvPmwVzrI7M>
 - <https://www.youtube.com/watch?v=jGhI4tRfL0A>
 - <https://www.youtube.com/watch?v=6N-dOBsCydg>