

Cosmology/Astrophysics News

SpaceX launches astronauts



June 2020 for Rose City Astronomers SIG

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

Nature – June 4, 2020

- No cosmology/astrophysics this issue

Science – June 5, 2020

- White dwarf pairs as source of type 1a supernovae research questions their role as standard candles
 - <https://science.sciencemag.org/content/368/6495/1046.summary>
 - <https://www.sciencemag.org/news/2020/06/galaxy-s-brightest-explosions-go-nuclear-unexpected-trigger-pairs-dead-stars>

Nature – June 11, 2020

- No cosmology/astrophysics news this issue

Science – June 12, 2020

- Fast radio burst detected by CHIME telescope (Canadian Hydrogen Intensity Mapping Experiment) from nearby magnetar (highly magnetized neutron star)
 - <https://science.sciencemag.org/content/368/6496/1171?rss=1>
 - <https://www.sciencenews.org/article/ligo-virgo-detected-collision-black-hole-mystery-object>

Nature – June 18, 2020

- More about fast radio burst detected in the Milky Way
 - <https://www.nature.com/articles/d41586-020-01666-1>
 - <https://www.nature.com/articles/s41586-020-2398-2>
 - <https://www.nature.com/articles/d41586-020-01713-x>
- Resolving acceleration to very high energies along the jet of Centaurus A
 - <https://www.nature.com/articles/s41586-020-2354-1>
 - <https://www.nature.com/articles/s41586-020-2455-x>

Science – June 19, 2020

- No cosmology/astrophysics news this issue

Nature – June 25, 2020

- Auroras on Mars
 - <https://www.nature.com/articles/d41586-020-01792-w>
- Observing Proxima Centauri from New Horizons probe
 - <https://www.nature.com/articles/d41586-020-01699-6>
- Debris disk around star AU Microscopii
 - <https://www.nature.com/articles/s41586-020-2400-z>

Science – June 26, 2020

- Perseverance Rover plans for Mars
 - <https://science.sciencemag.org/content/368/6498/1416>
- Multiple super-Earths orbiting red dwarf GJ887 or Gliese 887, 11 light years away
 - <https://science.sciencemag.org/content/368/6498/1477>

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:
- Crisis in cosmology: (start around 14:22)
 - https://www.youtube.com/watch?v=cnn_5YMpo3Q
- More videos (thanks Mark Martin) :
 - Pulsars: <http://youtu.be/GKxP1Tkv5cQ>
 - M87 black hole: <https://youtu.be/J2BHdrIUAOU>