

Cosmology/Astrophysics News



Abell 370

May 17, 2017

for Rose City Astronomers SIG

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

Nature – April 20, 2017

- Europa's plumes
 - Video: <http://101iq.com/RCA/europa.htm>
- A temperate rocky super-Earth transiting a nearby cool star – LHS1140b, 1.4 Earth radii, 29 light years away
 - <http://www.nature.com/nature/journal/v544/n7650/full/nature22055.html>

Science – April 21, 2017

- In familiar decays, a whiff of new physics – deviations in B meson decays hint at new particles at LHCb
 - <http://science.sciencemag.org/content/356/6335/229>
- Alpha Magnetic Spectrometer on space station may have detected anti-Helium-3 nuclei
 - <http://science.sciencemag.org/content/356/6335/240>
- iPTF16geu: A multiply imaged, gravitationally lensed type Ia supernova
 - <http://science.sciencemag.org/content/356/6335/291>

Nature – April 27, 2017

- Possible dwarf planet 2014UZ224 (“DeeDee”) found in solar system – 3 times as far as Pluto, 635km diameter, only Eris is further out
- More on B-meson anomaly at LHC
 - <http://go.nature.com/2pzex2v>
- Strangeness in the proton – computed strange quark’s contribution to magnetic moment of proton
 - <http://www.nature.com/nature/journal/v544/n7651/full/nature21909.html>
- A universal model for solar eruptions
 - <http://www.nature.com/nature/journal/v544/n7651/full/nature22050.html>

Science – April 28, 2017

- Measurement of the small-scale structure of the intergalactic medium using close quasar pairs
 - <http://science.sciencemag.org/content/356/6336/418>

Nature – May 4, 2017

- No cosmology news this issue

Science – May 5, 2017

- Cassini plunge through Saturn's rings – video:
 - <https://www.youtube.com/watch?v=8WQXRdftCqU>
- NASA pushes for diversity in planetary science
 - <http://science.sciencemag.org/content/356/6337/475>
- Fast and curious – global robotic telescope network helps astronomers keep up with the fast-changing sky – LCO Las Cumbres Observatory
 - <http://science.sciencemag.org/content/356/6337/476.full>

Nature – May 11, 2017

- Multi-phase volcanic resurfacing at Loki Patera on IO
 - <http://www.nature.com/nature/journal/v545/n7653/full/nature22339.html>

Scientific American – May 2017

- Strange news from another star – KIC8462852 dims in unexplained ways
 - <http://www.nature.com/scientificamerican/journal/v316/n5/full/scientificamerican0517-36.html>

Miscellaneous

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