

Cosmology/Astrophysics News

Earth traps solar particles



May 2025 for Rose City Astronomers SIG

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

Nature – May 1, 2025

- Strange course of planet orbiting two stars
 - <https://www.science.org/doi/10.1126/sciadv.adu0627>

Science – May 1, 2025

- No cosmology/astrophysics news this issue.

Nature – May 8, 2025

- Searching for dark photons in the Sun's atmosphere
 - <https://www.nature.com/articles/d41586-025-01335-1>

Science – May 8, 2025

- No cosmology/astrophysics news this issue.

Nature – May 15, 2025

- AI scientist “team” joins the search for extraterrestrial life
 - <https://www.nature.com/articles/d41586-025-01364-w>
- Is bad philosophy holding back physics?
 - <https://www.nature.com/articles/d41586-025-01465-6.pdf>
- Black hole fly-by modeled with landmark precision
 - <https://www.nature.com/articles/d41586-025-01339-x>
 - <https://www.nature.com/articles/s41586-025-08984-2>
- Water ice in the debris disk around HD 181327
 - <https://www.nature.com/articles/s41586-025-08920-4>

Science – May 15, 2025

- No cosmology/astrophysics news this issue

Nature – May 22, 2025

- An unexpectedly early barred galaxy
 - <https://www.nature.com/articles/d41586-025-01444-x>
 - <https://www.nature.com/articles/s41586-025-08914-2>
- Dying stars could drive exoplanet formation
 - <https://www.nature.com/articles/d41586-025-01445-w>
 - <https://www.nature.com/articles/s41586-025-09006-x>

Science – May 22, 2025

- A pulsar-helium star compact binary system formed by common envelope evolution
 - <https://www.science.org/doi/10.1126/science.ado0769>

Nature – May 29, 2025

- Black hole flings out clumps of gas
 - <https://www.nature.com/articles/d41586-025-01421-4>
 - <https://www.nature.com/articles/s41586-025-08968-2>
- Quasar radiation transforms the gas in a merging companion galaxy
 - <https://www.nature.com/articles/s41586-025-08966-4>
- Thermal asymmetry in the Moon's mantle inferred from monthly tidal response
 - <https://www.nature.com/articles/s41586-025-08949-5>

Science – May 29, 2025

- Giant Chinese telescope shrouded in mystery
 - <https://www.science.org/doi/epdf/10.1126/science.adz3357>
- China sets out to sample an unusual asteroid
 - <https://www.science.org/doi/epdf/10.1126/science.adz3358>

Miscellaneous

- 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=-Y8uFwm677k>
 - <https://www.youtube.com/watch?v=WNyY1ZYSzoU>
 - <https://www.youtube.com/watch?v=6GsSuBX3qSM>
 - <https://www.youtube.com/watch?v=ZuHqVqwssYQ>