

A simulation of the Cosmic Web, showing a complex network of filaments and clusters of matter. The filaments are depicted in shades of purple and blue, while the clusters are shown in bright orange and yellow. The overall structure is highly interconnected and fractal-like.

Cosmology/Astrophysics News

Cosmic Web simulation

May 2026 for Rose City Astronomers SIG

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

Nature – May 7, 2026

- Charge-dependent spectral softenings of primary cosmic rays below the knee
 - <https://www.nature.com/articles/s41586-026-10472-0>

Science – May 7, 2026

- No cosmology/astrophysics news this issue

Nature – May 14, 2026

- Distant galaxy contains relics of the first stars
 - <https://www.nature.com/articles/d41586-026-01151-1>
- An ultra-faint, chemically primitive galaxy forming in the reionization era
 - <https://www.nature.com/articles/s41586-026-10374-1>
- Extreme galaxy-scale outflows are frequent among luminous early quasars
 - <https://www.nature.com/articles/s41586-026-10477-9>

Science – May 14, 2026

- Sharp views unlocked from JWST with a ‘keyhole’ trick
 - <https://www.science.org/content/article/astronomers-unlock-sharper-view-jwst-using-keyhole-trick>

Nature – May 21, 2026

- Antarctic ice contains evidence that Earth entered an interstellar dust cloud more than 40,000 years ago
 - <https://journals.aps.org/prl/abstract/10.1103/nxjq-jwgp>

Science – May 21, 2026

- Cloudy mornings and clear evenings on a gas giant exoplanet
 - <https://www.science.org/doi/10.1126/science.adx5903>

Nature – May 28, 2026

- A direct black-hole mass measurement in a little red dot at high redshift
 - <https://www.nature.com/articles/s41586-026-10579-4>

Science – May 28, 2026

- Has JWST spotted an exploding primordial star?
 - <https://www.science.org/content/article/have-astronomers-spotted-exploding-primordial-star>

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=OLGf-tolsco>
 - <https://www.youtube.com/watch?v=Wu8xNx4njoM>
 - https://www.youtube.com/watch?v=w88x3_HNPxg
 - <https://www.youtube.com/watch?v=Pd9P7CibbHc>