NASA/IPAC Extragalactic Database
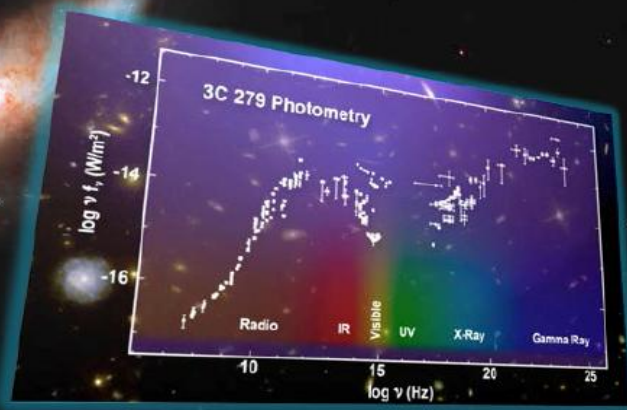
Stop by the Caltech/IPAC booth at the 246th AAS meeting
8 - 12 June 2025

NED

3C 279 Photometry

ipac   Caltech   NASA

https://ned.ipac.caltech.edu

Follow us on NED's Facebook page
Subscribe to NED's YouTube channel

Become a NED ambassador
Connect via Helpdesk or Email

NED Overview & News

Vision: The NASA/IPAC Extragalactic Database (NED) aims to capture the most reliable census of extragalactic objects and provide essential data and tools to facilitate astrophysics research and exploration.

Guiding Principles:

Provide one-stop shopping for open science research that benefits from a 3D census of extragalactic objects with their fundamental properties methodically combined from thousands of primary data sources spanning the EM spectrum and joined across NASA astrophysics missions, sky surveys, and journal articles.
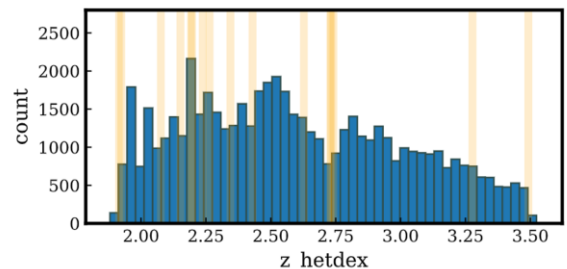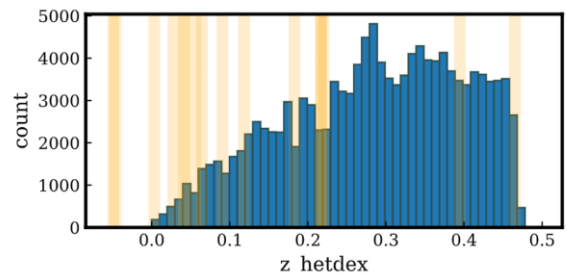
Facilitate time domain and multi-messenger (TDAMM) astronomy with a synthesis of additional parameters for galaxies in the local Universe as required to optimize rapid follow-up observations to identify the host galaxies of transient events.

Content Highlights:

- 14B photometric data points joined into SEDs
- 1.5B multi-wavelength cross-identifications
- 1.1B distinct astrophysical objects
- 18.7M redshifts
- 137K data references

Updates Since 2025 January:

- 893K new sources from 1,547 new references
- 318K more objects with redshifts
- Data from recent high-redshift JWST studies
- New version of NED Local Volume Sample
- Updates to Gravitational Wave Follow-up service
- For more info see https://ned.ipac.caltech.edu/

Redshift distribution of the first data release of the Hobby-Eberly Telescope Dark Energy Experiment (HETDEX) survey (Mentuch Cooper et al. 2023, ApJ, 943, 177, Fig. 10), recently integrated into NED.

We are seeking new members of the NED Users Committee. If you would like to help shape the future of NED, please contact us at ned@ipac.caltech.edu.

Help streamline integration of data from your next journal article into NED by following "Best Practices for Data Publication in the Astronomical Literature" (Chen et al. 2022, ApJS, 260, 5), which is now linked to Instructions for Authors by AAS Journals, MNRAS, and PASP.