



# What's new in NED?

## Featured Content Additions

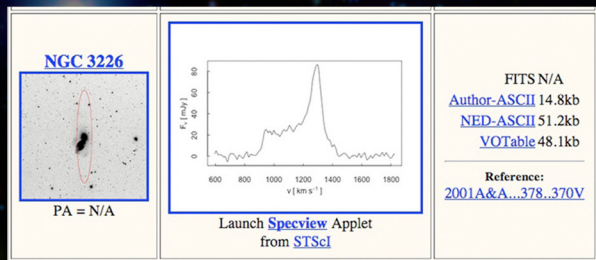
6.2 million objects in the Small Magellanic Cloud with 22 million photometric measurements merged into SEDs from three catalogs (Zaritsky et al. 2002, AJ, 123, 855; Massey 2002, ApJS, 141, 81; Gordon et al. 2011, AJ, 142, 102)

Over 56,000 objects from "The Spitzer IRAC/MUSYC Public Legacy Survey: Observations, Reduction, and Catalog" (Damen et al. 2011, ApJ, 727, 1)

17,400 sources from the "Chandra ACIS Survey of X-ray Point Sources in 383 Nearby Galaxies. I. The Source Catalog" (Liu 2011, ApJS, 192, 10)

Photometry for 91,475 sources from "Spitzer MIPS 24 and 70 micron Imaging Near the South Ecliptic Pole: Maps and Source Catalogs" (Scott et al. 2010, ApJS, 191, 212)

## Hundreds of New Spectra



Spectra from "HI Observations of Loose Galaxy Groups I. Data and Global Properties" (van Driel et al. 2001, A&A, 378, 370).

## LEVEL 5 Knowledgebase

LEVEL 5 enhances review articles in extragalactic astrophysics and cosmology with links from object names and graphical content to related database queries. Recent highlights include:

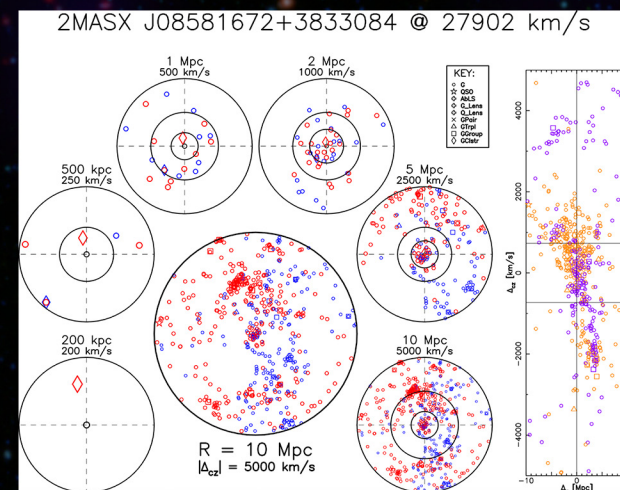
"The First Stars" (Glover 2012, to appear in "The First Galaxies -Theoretical Predictions and Observational Clues", eds. V. Bromm, B. Mobasher, T. Wiklind; arXiv.org:1209.2509)



"Galaxy Bulges and Elliptical Galaxies - Lecture Notes" (Dimitri A. Gadotti 2011, notes to the PhD School of Astrophysics "F. Lucchin", held in Erice, Italy, Sept. 2011; eds. G. Bono, M. Zoccali; arXiv:1208.2295.) Figure 10 is shown above.

## Explore Galaxy Environments

A new prototype service enables exploration of galaxy environments for objects with available spectroscopic redshifts in NED. Features include counts in concentric shells (0.5, 1, 2, 5, and 10 Mpc radii) around the target object, color coded velocity offsets, recentering, graphics, and the ability to search for objects based on environmental parameters.



Example: query a 2MASS source and discover that it is a member of galaxy cluster Abell 724.

## Best Practices for Publishing Data

A new reference guide (M. Schmitz et al. 2013) is available on the website designed to assist authors with the presentation of data, thereby facilitating their efficient and accurate integration into NED.