Search for spectral lines actually detected by ALMA!

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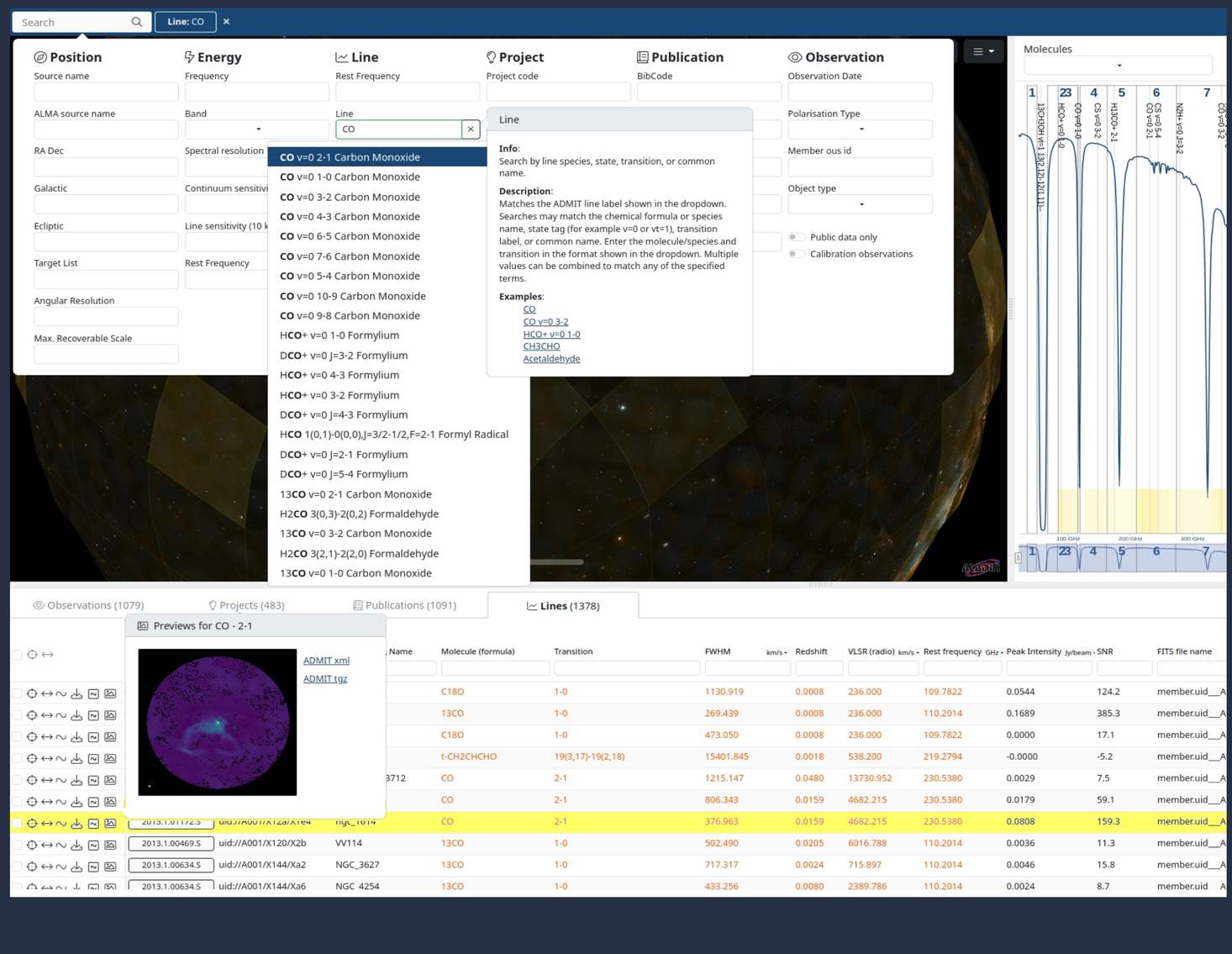
https://almascience.org/aq

ALMA has been running the post-processing software ALMA Data Mining Toolkit) (ADMIT, admit.astro.umd.edu) which detects and subsequently identifies spectral lines on all ALMA cubes. The line information has now been made searchable on the ALMA Archive Query interface.

Users can not only search for molecules and transitions, but also for redshifts and source velocities or line intensities. We also provide previews of the emission of the lines.



Caveats: The products and the line detections are incomplete for example where ALMA has not created a data cube for a spectral window. The information can also be incorrect, for example due to incorrect guesses for the source redshift/velocity that have to be provided to ADMIT. We ask users to proceed with care and use their own scientific judgment.