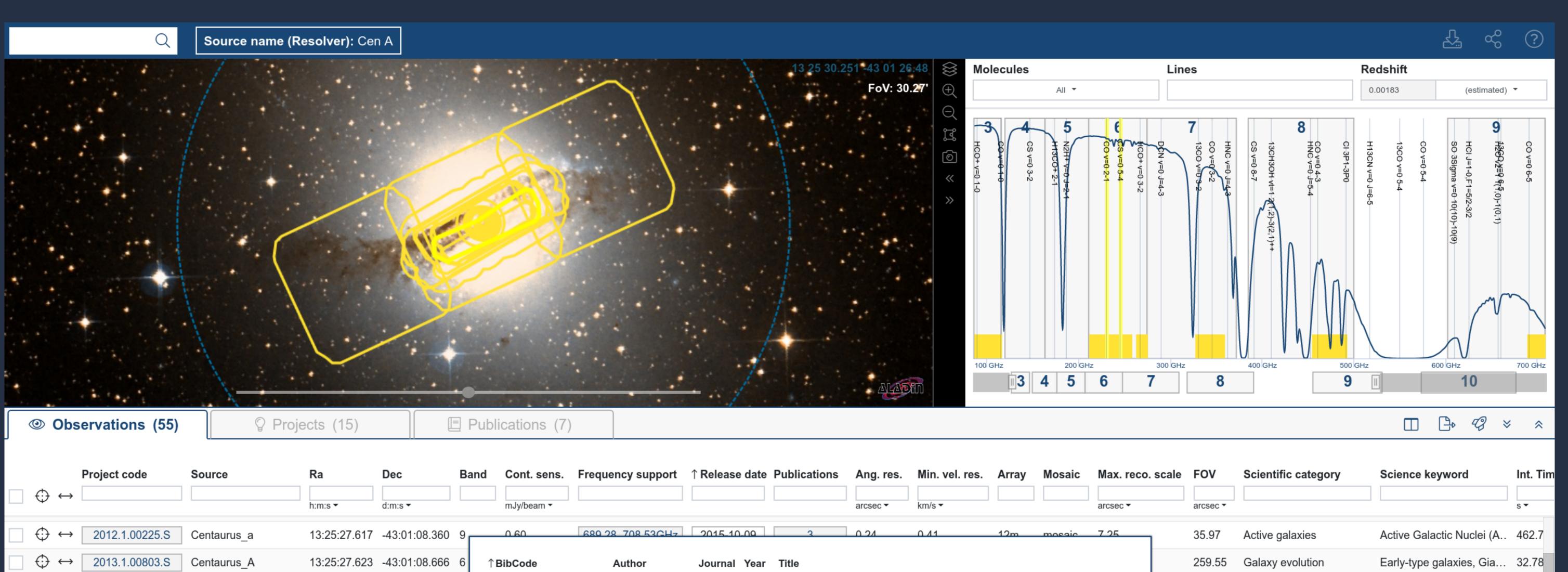
The new ultra-fast ALMA archive interface

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$\bigoplus \leftrightarrow 2013.1.00803.S Centaurus_A \qquad 13:25:27.625 -43:01:08.613 6$	2014A&A562A96I 📝 Israel, F. P. A&A 2014 The molecular circumnuclear disk (CND) in Centaurus A. A multi-transition CO	201.38 Galaxy evolution Early-type galaxies, Gia 94.01
$\bigcirc \longleftrightarrow \leftrightarrow$ 2013.1.01342.S 3FGL_J1325.4-4301 13:25:28.020 -43:01:10.400 6	and [CI] survey with Herschel, APEX, JCMT, and SEST 2017AdAst2017E6A 📝 Azeez, Jazeel H. AdAst 2016 Star Formation Law at Sub-kpc Scale in the Elliptical Galaxy Centaurus A as	24.99 Active galaxies Outflows, jets, feedback 30.24
$\bigcirc \longleftrightarrow \leftrightarrow 2013.1.00803.S Centaurus_A \qquad 13:25:27.594 -43:01:09.214 3$		322.76 Galaxy evolution Early-type galaxies, Gia 98.99
$\bigcirc \leftrightarrow 2013.1.00803.S Centaurus_A \qquad 13:25:27.615 -43:01:08.801 3$	2017ApJ85176M 📝 McCoy, Mark ApJ 2017 ALMA Observations of the Physical and Chemical Conditions in Centaurus A	195.70 Galaxy evolution Early-type galaxies, Gia 85.02
$\bigcirc \leftrightarrow 2013.1.00803.S Centaurus_A \qquad 13:25:27.594 -43:01:09.214 3$		322.76 Galaxy evolution Early-type galaxies, Gia 49.50
⊕ ↔ 2011.0.00008.SV Centaurus A 13:25:26.573 -43:01:13.990 6	0.43 229.20247.32GHz 2016-06-24 3 1.39 1.18 12m mosaic 21.26	209.12 Active galaxies Galactic centres/nuclei, 344.2

https://almascience.org/asax

General

- instantaneous search-as-you-type
- simultaneous search of observations, projects and publications
- fully unrestricted (=unscoped) search with subfiltering on 45 query fields
- on-hover highlighting of spatial and spectral footprints
- link to share/bookmark the current search
- reconfigurable interface layout
- active search constraints always visible

Sky View

- AladinLite sky view with clickable footprints
- footprint display also for entire projects or data used in publications
- slider to fade through HiPS backgounds from gamma-rays to radio
- marked search centre and radius
- footprint-density instead of footprints shown at low zoom-levels

Result Table

- all rows and all columns instantaneously accessible
- fully scaleable technology using ElasticSearch and server-side scrolling

Frequency View

- auto-zooming spectral-range
- hierarchical spectral line display most relevant for ALMA, properly redshifted
- molecular line filtering
- selectable molecule groups (top 20, hot cores, extragalactic, ...)

- autoscroll to hovered footprint
- interactive cells with abstracts, list of publications, etc
- change of physical units, sorting, ordering
- sending of results as VO-Table via SAMP to Aladin/Topcat/etc
- data-export in various formats
- calendar-event generation for proprietary data

... and much more!

