

Salome, Philippe — selection: 187 publications

Complete ADS query

187 corpus · 187/187 ADS · astronomy

**Overview.** This PDF was generated from the current interactive HTML selection. It contains 187 publications from 2002 to 2026; all dashboard statistics, impact selection and thematic groups were recomputed for this filtered corpus.

Impact selection: portfolio author among the first 5 authors; ranked by ADS citations, then ADS reads.

187  
PUBLICATIONS

111  
REFEREED

6421  
ADS CITATIONS

22282  
ADS READS 90 D

45  
H-INDEX

672  
EXTERNAL COAUTHORS

27  
FIRST-AUTHOR

24  
ACTIVE YEARS

Molecular gas 123

Star formation 92

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Clusters / groups 63

Feedback / winds / shocks 59

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Gas / ISM 55

Kinematics 45

Cosmology 39

| Top impact |                                                                                                                                                                            |             |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| 1          | <b>Cold molecular gas in cooling flow clusters of galaxies</b><br>Salomé, P. · 2003 · C226 · R108                                                                          | C226 · R108 |
| 2          | <b>Cold molecular gas in the Perseus cluster core. Association with X-ray cavity, H<math>\alpha</math> filaments and cooling flow</b><br>Salomé, P. · 2006 · C212 · R115   | C212 · R115 |
| 3          | <b>Cold, clumpy accretion onto an active supermassive black hole</b><br>Tremblay, Grant R. · 2016 · C170 · R300                                                            | C170 · R300 |
| 4          | <b>Ubiquitous cold and massive filaments in cool core clusters</b><br>Olivares, V. · 2019 · C157 · R150                                                                    | C157 · R150 |
| 5          | <b>Energetics of the molecular gas in the H<math>_2</math> luminous radio galaxy 3C 326: Evidence for negative AGN feedback</b><br>Nesvadba, N. P. H. · 2010 · C137 · R139 | C137 · R139 |
| 6          | <b>Formation of cold filaments in cooling flow clusters</b><br>Revaz, Y. · 2008 · C117 · R123                                                                              | C117 · R123 |
| 7          | <b>A very extended molecular web around NGC 1275</b><br>Salomé, P. · 2011 · C110 · R155                                                                                    | C110 · R155 |
| 8          | <b>Cold gas in the Perseus cluster core: excitation of molecular gas in filaments</b><br>Salomé, P. · 2008 · C81 · R113                                                    | C81 · R113  |
| 9          | <b>Jet-induced star formation in 3C 285 and Minkowski's Object</b><br>Salomé, Q. · 2015 · C71 · R149                                                                       | C71 · R149  |
| 10         | <b>Gas and galaxies in filaments between clusters of galaxies. The study of A399-A401</b><br>Bonjean, V. · 2018 · C69 · R120                                               | C69 · R120  |

| Top reads (<90 days) |                                                                                                                                                                                                                   |       |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| 1                    | <b>JWST Reveals How Black Holes are Fed: Kiloparsec-scale Multiphase Filaments Feed Subkiloparsec Circumnuclear Disks</b><br>Hlavacek-Larrondo, Julie · 2026 · C0 · R1672                                         | R1672 |
| 2                    | <b>MICONIC: The multiphase circumnuclear region of Centaurus A as seen with JWST/MIRI MRS observations: I. Spectral inventory and properties of the warm molecular disk</b><br>Evangalista, L. · 2026 · C1 · R589 | R589  |
| 3                    | <b>Probing the molecular gas content of galaxies in an over-dense group at z~0.7: a test case for environmental quenching</b><br>Freundlich, Jonathan · 2026 · C0 · R524                                          | R524  |
| 4                    | <b>Molecular gas properties of star-forming brightest group galaxies at <math>z \sim 0.3</math></b><br>Toni, Greta · 2026 · C2 · R521                                                                             | R521  |
| 5                    | <b>Mapping gas accretion and stellar kinematics to sub-kiloparsec scales in NGC 4696 with JWST/NIRSpec</b><br>Marquis, Mathieu · 2026 · C0 · R447                                                                 | R447  |
| 6                    | <b>Driving massive molecular gas flows in central cluster galaxies with AGN feedback</b><br>Russell, H. R. · 2019 · C120 · R410                                                                                   | R410  |
| 7                    | <b>SKA Science Data Challenge 2: analysis and results</b><br>Hartley, P. · 2023 · C26 · R335                                                                                                                      | R335  |
| 8                    | <b>Does absorption against AGN reveal supermassive black hole accretion?</b><br>Rose, Tom · 2023 · C17 · R318                                                                                                     | R318  |
| 9                    | <b>Observations of carbon radio recombination lines with the NenuFAR telescope: I. Cassiopeia A and Cygnus A</b><br>Cros, Lucie · 2025 · C1 · R317                                                                | R317  |
| 10                   | <b>Cold, clumpy accretion onto an active supermassive black hole</b><br>Tremblay, Grant R. · 2016 · C170 · R300                                                                                                   | R300  |

| Top citations |                                                                                                                                                                                                 |      |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| 1             | <b>PHIBSS: Unified Scaling Relations of Gas Depletion Time and Molecular Gas Fractions</b><br>Tacconi, L. J. · 2018 · C707 · R272                                                               | C707 |
| 2             | <b>Combined CO and Dust Scaling Relations of Depletion Time and Molecular Gas Fractions with Cosmic Time, Specific Star-formation Rate, and Stellar Mass</b><br>Genzel, R. · 2015 · C584 · R244 | C584 |
| 3             | <b>Cold molecular gas in cooling flow clusters of galaxies</b><br>Salomé, P. · 2003 · C226 · R108                                                                                               | C226 |
| 4             | <b>Cold molecular gas in the Perseus cluster core. Association with X-ray cavity, H<math>\alpha</math> filaments and cooling flow</b><br>Salomé, P. · 2006 · C212 · R115                        | C212 |
| 5             | <b>Cold, clumpy accretion onto an active supermassive black hole</b><br>Tremblay, Grant R. · 2016 · C170 · R300                                                                                 | C170 |
| 6             | <b>Ubiquitous cold and massive filaments in cool core clusters</b><br>Olivares, V. · 2019 · C157 · R150                                                                                         | C157 |
| 7             | <b>A wide Chandra view of the core of the Perseus cluster</b><br>Fabian, A. C. · 2011 · C150 · R163                                                                                             | C150 |
| 8             | <b>Energetics of the molecular gas in the H<math>_2</math> luminous radio galaxy 3C 326: Evidence for negative AGN feedback</b><br>Nesvadba, N. P. H. · 2010 · C137 · R139                      | C137 |
| 9             | <b>A 10<sup>10</sup> Solar Mass Flow of Molecular Gas in the A1835 Brightest Cluster Galaxy</b><br>McNamara, B. R. · 2014 · C133 · R134                                                         | C133 |
| 10            | <b>Driving massive molecular gas flows in central cluster galaxies with AGN feedback</b><br>Russell, H. R. · 2019 · C120 · R410                                                                 | C120 |

# Top publications by ADS impact

Top publication · 2003

ADS DOI

Cold molecular gas in cooling flow clusters of galaxies

Salomé, P., Combes, F.

ADS CITATIONS 226 ADS READS 108 AUTHOR POSITION 1

Tags: Gas / ISM · Molecular gas

The results of a CO line survey in central cluster galaxies with cooling flows are presented. Cold molecular gas is detected with the IRAM 30 m telescope, through CO(1-0) and CO(2-1) emission lines in 6-10 among 32 galaxies. The corresponding gas masses are between 3\*E<sup>8</sup>...

Top publication · 2006

ADS DOI

Cold molecular gas in the Perseus cluster core. Association with X-ray cavity, H $\alpha$  filaments and cooling flow

Salomé, P., Combes, F., Edge, A. C., Crawford, C. et al.

ADS CITATIONS 212 ADS READS 115 AUTHOR POSITION 1

Tags: Clusters / groups · Star formation · AGN / quasars · Kinematics · Ionised gas · Molecular gas · X-rays

Cold molecular gas has recently been detected in several cooling flow clusters of galaxies containing huge optical nebula. These optical filaments are tightly linked to cooling flows and related phenomena, such as rising bubbles of relativistic plasma fed by radio jets. We present here a...

Top publication · 2016

ADS DOI arXiv

Cold, clumpy accretion onto an active supermassive black hole

Tremblay, Grant R., Oonk, J. B. Raymond, Combes, Françoise, Salomé, Philippe et al.

ADS CITATIONS 170 ADS READS 300 AUTHOR POSITION 4

Tags: Black holes · Star formation · AGN / quasars · HI / neutral gas · Simulations / numerical methods

Supermassive black holes in galaxy centres can grow by the accretion of gas, liberating energy that might regulate star formation on galaxy-wide scales. The nature of the gaseous fuel reservoirs that power black hole growth is nevertheless largely unconstrained by observations, and is instead routinely...

Top publication · 2019

ADS DOI arXiv

Ubiquitous cold and massive filaments in cool core clusters

Olivares, V., Salome, P., Combes, F., Hamer, S. et al.

ADS CITATIONS 157 ADS READS 150 AUTHOR POSITION 2

Tags: Clusters / groups · Feedback / winds / shocks · AGN / quasars · ALMA · Kinematics · MUSE · Molecular gas · X-rays

Multi-phase filamentary structures around brightest cluster galaxies (BCG) are likely a key step of AGN-feedback. We observed molecular gas in three cool cluster cores, namely Centaurus, Abell S1101, and RXJ1539.5, and gathered ALMA (Atacama Large Millimeter/submillimeter Array) and MUSE (Multi Unit Spectroscopic Explorer) data for...

Top publication · 2010

ADS DOI arXiv

Energetics of the molecular gas in the H<sub>2</sub> luminous radio galaxy 3C 326: Evidence for negative AGN feedback

Nesvadba, N. P. H., Boulanger, F., Salomé, P., Guillard, P. et al.

ADS CITATIONS 137 ADS READS 139 AUTHOR POSITION 3

Tags: Cosmology · Star formation · Feedback / winds / shocks · AGN / quasars · Outflows · Gas / ISM · Molecular gas · Radio

We present a detailed analysis of the gas conditions in the H<sub>2</sub> luminous radio galaxy 3C 326 N at z ~ 0.1, which has a low star-formation rate (SFR ~ 0.07 M<sub>⊙</sub> yr<sup>-1</sup>) in spite of a gas surface density similar to those in starburst...

Top publication · 2008

ADS DOI arXiv

Formation of cold filaments in cooling flow clusters

Revaz, Y., Combes, F., Salomé, P.

ADS CITATIONS 117 ADS READS 123 AUTHOR POSITION 3

Tags: Feedback / winds / shocks · AGN / quasars · Kinematics · Molecular gas · Simulations / numerical methods

Emission-lines in the form of filamentary structures is common in bright clusters characterized by short cooling times. In the Perseus cluster, cold molecular gas, tightly linked to the H $\alpha$  filaments, has been recently revealed by CO observations. In order to understand the origin of these...

Top publication · 2011

ADS DOI arXiv

A very extended molecular web around NGC 1275

Salomé, P., Combes, F., Revaz, Y., Downes, D. et al.

ADS CITATIONS 110 ADS READS 155 AUTHOR POSITION 1

Tags: Cosmology · Feedback / winds / shocks · AGN / quasars · Kinematics · Gas / ISM · Molecular gas · X-rays · Simulations / numerical methods

We present the first detection of CO emission lines in the H $\alpha$  filaments at distances as far as 50 kpc from the centre of the galaxy NGC 1275. This gas is probably dense ( $\geq 10^3$  cm<sup>-3</sup>). However, it is not possible to accurately determine the density...

Top publication · 2008

ADS DOI arXiv

Cold gas in the Perseus cluster core: excitation of molecular gas in filaments

Salomé, P., Combes, F., Revaz, Y., Edge, A. C. et al.

ADS CITATIONS 81 ADS READS 113 AUTHOR POSITION 1

Tags: Clusters / groups · Kinematics · Molecular gas

We have recently detected CO lines in the well-known filaments around NGC 1275, the galaxy at the centre of the Perseus cluster of galaxies. These previous observations, with the HERA multi-beam array at the IRAM 30 m telescope enabled us to make a large map...

Top publication · 2015

ADS DOI arXiv

Jet-induced star formation in 3C 285 and Minkowski's Object

Salomé, Q., Salomé, P., Combes, F.

ADS CITATIONS 71 ADS READS 149 AUTHOR POSITION 2

Tags: Star formation · Feedback / winds / shocks · AGN / quasars · Outflows · Spirals / morphology · Kinematics · Molecular gas · Radio

How efficiently star formation proceeds in galaxies is still an open question. Recent studies suggest that active galactic nucleus (AGN) can regulate the gas accretion and thus slow down star formation (negative feedback). However, evidence of AGN positive feedback has also been observed in a...

Top publication · 2018

ADS DOI arXiv

Gas and galaxies in filaments between clusters of galaxies. The study of A399-A401

Bonjean, V., Aghanim, N., Salomé, P., Douspis, M. et al.

ADS CITATIONS 69 ADS READS 120 AUTHOR POSITION 3

Tags: Cosmology · Large-scale structure · Galaxies / evolution · Clusters / groups · Star formation

We have performed a multi-wavelength analysis of two galaxy cluster systems selected with the thermal Sunyaev-Zel'dovich (tSZ) effect and composed of cluster pairs and an inter-cluster filament. We have focused on one pair of particular interest: A399-A401 at redshift z ~ 0.073 separated by 3...

# Top publications by ADS impact

Top publication · 2019

ADS

DOI

arXiv

Dense gas formation and destruction in a simulated Perseus-like galaxy cluster with spin-driven black hole feedback

Beckmann, R. S., Dubois, Y., Guillard, P., Salome, P. et al.

ADS CITATIONS 59 ADS READS 205 AUTHOR POSITION 4

Tags: Black holes · Dark matter · Clusters / groups · Star formation · Feedback / winds / shocks · AGN / quasars · Outflows · Quenching · Kinematics · Molecular gas

Context. Extended filamentary H $\alpha$  emission nebulae are a striking feature of nearby galaxy clusters but the formation mechanism of the filaments, and the processes which shape their morphology remain unclear. Aims: We conduct an investigation into the formation, evolution and destruction of dense...

Top publication · 2011

ADS

DOI

arXiv

Dense gas without star formation: the kpc-sized turbulent molecular disk in 3C 326 N

Nesvadba, N. P. H., Boulanger, F., Lehnert, M. D., Guillard, P. et al.

ADS CITATIONS 54 ADS READS 156 AUTHOR POSITION 5

Tags: Cosmology · Star formation · Feedback / winds / shocks · AGN / quasars · Gas / ISM · HI / neutral gas · Molecular gas · Radio

We report the discovery of a 3 kpc disk of few 10<sup>9</sup> M $_{\odot}$  of dense, warm H $_2$  in the nearby radio galaxy 3C 326 N, which shows no signs of ongoing or recent star formation and falls a factor of 60 below the Schmidt-Kennicutt law....

Top publication · 2012

ADS

DOI

arXiv

BR1202-0725: an extreme multiple merger at z = 4.7

Salomé, P., Guélin, M., Downes, D., Cox, P. et al.

ADS CITATIONS 51 ADS READS 173 AUTHOR POSITION 1

Tags: Cosmology · Gravitational lensing · AGN / quasars · ALMA · Kinematics · High redshift

The radio-quiet quasar BR1202-0725 (z = 4.695) is a remarkable source with a bright northwest (NW) companion detected at submillimeter and radio wavelengths but invisible in the optical. In the absence of amplification by gravitational lensing, BR1202-0725 would be the most luminous binary CO and...

Top publication · 2022

ADS

DOI

arXiv

Gas condensation in brightest group galaxies unveiled with MUSE. Morphology and kinematics of the ionized gas

Olivares, V., Salomé, P., Hamer, S. L., Combes, F. et al.

ADS CITATIONS 49 ADS READS 171 AUTHOR POSITION 2

Tags: Clusters / groups · Kinematics · MUSE · Ionised gas · Molecular gas · X-rays · Simulations / numerical methods

The origin of the cold gas in central galaxies in groups is still a matter of debate. We present Multi-Unit Spectroscopic Explorer (MUSE) observations of 18 optically selected local (z  $\leq$  0.017) brightest group galaxies (BGGs) to study the kinematics and distribution of the optical...

Top publication · 2004

ADS

DOI

Mapping the cold molecular gas in a cooling flow cluster: Abell 1795

Salomé, P., Combes, F.

ADS CITATIONS 46 ADS READS 109 AUTHOR POSITION 1

Tags: Star formation · Kinematics · Molecular gas · X-rays

Cold molecular gas is found in several clusters of galaxies (Edge \cite{Edge01}; Salomé & Combes \cite{Salome03}); single dish telescope observations in CO(1-0) and CO(2-1) emission lines have revealed the existence of large amounts of cold gas (up to  $\sim 10^{11}$  M $_{\odot}$ ) in the central region of...

Top publication · 2019

ADS

DOI

arXiv

Star formation rates and stellar masses from machine learning

Bonjean, V., Aghanim, N., Salomé, P., Beelen, A. et al.

ADS CITATIONS 56 ADS READS 141 AUTHOR POSITION 3

Tags: Cosmology · Large-scale structure · Star formation · Statistics / machine learning

Star-formation activity is a key property to probe the structure formation and hence characterise the large-scale structures of the universe. This information can be deduced from the star formation rate (SFR) and the stellar mass (M $_{\star}$ ), both of which, but especially the SFR, are very...

Top publication · 2007

ADS

DOI

Detection of HNC and tentative detection of CN at z = 3.9

Guélin, M., Salomé, P., Neri, R., García-Burillo, S. et al.

ADS CITATIONS 54 ADS READS 86 AUTHOR POSITION 2

Tags: Cosmology · Galaxies / evolution · AGN / quasars · Ionised gas · Molecular gas · High redshift

Aims: Molecular line emission from high-redshift galaxies holds great promise for the study of galaxy formation and evolution. Methods: The weak signals can only be detected with the largest mm-wave telescopes, such as the IRAM interferometer. Results: We report the detection of the J...

Top publication · 2018

ADS

DOI

arXiv

Cold gas in a complete sample of group-dominant early-type galaxies

O'Sullivan, E., Combes, F., Salomé, P., David, L. P. et al.

ADS CITATIONS 51 ADS READS 134 AUTHOR POSITION 3

Tags: Star formation · AGN / quasars · HI / neutral gas · Molecular gas · X-rays

We present IRAM 30 m and APEX telescope observations of CO(1-0) and CO(2-1) lines in 36 group-dominant early-type galaxies, completing our molecular gas survey of dominant galaxies in the Complete Local-volume Groups Sample. We detect CO emission in 12 of the galaxies at  $> 4\sigma$ ...

Top publication · 2015

ADS

DOI

arXiv

Ram pressure stripping in the Virgo Cluster

Verdugo, C., Combes, F., Dasyra, K., Salomé, P. et al.

ADS CITATIONS 48 ADS READS 124 AUTHOR POSITION 4

Tags: Clusters / groups · Star formation · Ionised gas · Gas / ISM · Molecular gas

Gas can be violently stripped from their galaxy disks in rich clusters, and be dispersed over 100 kpc-scale tails or plumes. Young stars have been observed in these tails, suggesting they are formed in situ. This will contribute to the intracluster light, in addition to...

Top publication · 2016

ADS

DOI

arXiv

Star formation efficiency along the radio jet in Centaurus A

Salomé, Q., Salomé, P., Combes, F., Hamer, S. et al.

ADS CITATIONS 44 ADS READS 140 AUTHOR POSITION 2

Tags: Star formation · Feedback / winds / shocks · AGN / quasars · ALMA · Quenching · MUSE · HI / neutral gas · Molecular gas

NGC 5128 (also known as Centaurus A) is the most nearby powerful AGN, widely studied at all wavelengths. Molecular gas has been found in the halo at a distance of  $\sim 20$  kpc from the galaxy center, associated with H I shells, through CO line...

# Collaborations, instruments and journals

Collaboration statistics in this PDF are recomputed from the filtered publication set.

## External co-authors

|                       |     |
|-----------------------|-----|
| Combes, Françoise     | 141 |
| Edge, Alastair C.     | 59  |
| Russell, Helen R.     | 42  |
| McNamara, Brian R.    | 41  |
| Fabian, A. C.         | 33  |
| Hamer, Stephen Leslie | 33  |
| Ferland, Gary J.      | 29  |
| Donahue, Megan        | 27  |
| Tremblay, Grant R.    | 26  |
| Baum, Stefi A.        | 21  |
| Fabian, Andrew C.     | 20  |
| Castignani, Gianluca  | 18  |
| Nulsen, Paul E. J.    | 18  |
| Salomé, Quentin       | 18  |
| Vantygghem, Adrian    | 18  |
| Freundlich, Jonathan  | 17  |

## Instruments / surveys

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## Journals

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| Monthly Notices of the Royal Astronomical Society                                                | 28 |
| The Astrophysical Journal                                                                        | 17 |
| VizieR Online Data Catalog                                                                       | 16 |
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| SF2A-2025: Semaine de l'Astrophysique Francaise                                                  | 3  |
| SF2A-2004: Semaine de l'Astrophysique Francaise                                                  | 2  |
| SF2A-2012: Proceedings of the Annual meeting of the French Society of Astronomy and Astrophysics | 2  |
| Molecular Gas, Dust, and Star Formation in Galaxies                                              | 2  |
| SF2A-2014: Proceedings of the Annual meeting of the French Society of Astronomy and Astrophysics | 2  |
| SF2A-2015: Proceedings of the Annual meeting of the French Society of Astronomy and Astrophysics | 2  |
| American Astronomical Society Meeting Abstracts #235                                             | 2  |
| SF2A-2002: Semaine de l'Astrophysique Francaise                                                  | 1  |

## Contribution by member

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Smart thematic index

### Galaxies & interstellar medium

Molecular gas · Star formation · AGN / quasars

174

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| • | <b>PHIBSS: Unified Scaling Relations of Gas Depletion Time and Molecular Gas Fractions</b><br>Tacconi, L. J. · 2018                                                               | R272 · C707 · A29 |
| • | <b>Combined CO and Dust Scaling Relations of Depletion Time and Molecular Gas Fractions with Cosmic Time, Specific Star-formation Rate, and Stellar Mass</b><br>Genzel, R. · 2015 | R244 · C584 · A30 |
| ★ | <b>Cold molecular gas in cooling flow clusters of galaxies</b><br>Salomé, P. · 2003                                                                                               | R108 · C226 · A1  |
| ★ | <b>Cold molecular gas in the Perseus cluster core. Association with X-ray cavity, H<math>\alpha</math> filaments and cooling flow</b><br>Salomé, P. · 2006                        | R115 · C212 · A1  |
| ★ | <b>Cold, clumpy accretion onto an active supermassive black hole</b><br>Tremblay, Grant R. · 2016                                                                                 | R300 · C170 · A4  |
| ★ | <b>Ubiquitous cold and massive filaments in cool core clusters</b><br>Olivares, V. · 2019                                                                                         | R150 · C157 · A2  |
| • | <b>A wide Chandra view of the core of the Perseus cluster</b><br>Fabian, A. C. · 2011                                                                                             | R163 · C150 · A13 |
| ★ | <b>Energetics of the molecular gas in the H<math>_2</math> luminous radio galaxy 3C 326: Evidence for negative AGN feedback</b><br>Nesvadba, N. P. H. · 2010                      | R139 · C137 · A3  |
| • | <b>A 10<sup>10</sup> Solar Mass Flow of Molecular Gas in the A1835 Brightest Cluster Galaxy</b><br>McNamara, B. R. · 2014                                                         | R134 · C133 · A10 |
| • | <b>Driving massive molecular gas flows in central cluster galaxies with AGN feedback</b><br>Russell, H. R. · 2019                                                                 | R410 · C120 · A9  |
| • | <b>A Virgo Environmental Survey Tracing Ionised Gas Emission (VESTIGE). I. Introduction to the survey</b><br>Boselli, A. · 2018                                                   | R217 · C120 · A43 |
| • | <b>PHIBSS2: survey design and z = 0.5 - 0.8 results. Molecular gas reservoirs during the winding-down of star formation</b><br>Freundlich, J. · 2019                              | R191 · C120 · A10 |
| • | <b>A Galaxy-scale Fountain of Cold Molecular Gas Pumped by a Black Hole</b><br>Tremblay, G. R. · 2018                                                                             | R188 · C119 · A32 |
| ★ | <b>Formation of cold filaments in cooling flow clusters</b><br>Revaz, Y. · 2008                                                                                                   | R123 · C117 · A3  |

174 papers · Exhaustive corpus

### Stars, planets & compact systems

X-rays · Radio · High-energy astrophysics

82

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|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| ★ | <b>Cold molecular gas in the Perseus cluster core. Association with X-ray cavity, H<math>\alpha</math> filaments and cooling flow</b><br>Salomé, P. · 2006                                   | R115 · C212 · A1  |
| ★ | <b>Ubiquitous cold and massive filaments in cool core clusters</b><br>Olivares, V. · 2019                                                                                                    | R150 · C157 · A2  |
| • | <b>A wide Chandra view of the core of the Perseus cluster</b><br>Fabian, A. C. · 2011                                                                                                        | R163 · C150 · A13 |
| ★ | <b>Energetics of the molecular gas in the H<math>_2</math> luminous radio galaxy 3C 326: Evidence for negative AGN feedback</b><br>Nesvadba, N. P. H. · 2010                                 | R139 · C137 · A3  |
| • | <b>A 10<sup>10</sup> Solar Mass Flow of Molecular Gas in the A1835 Brightest Cluster Galaxy</b><br>McNamara, B. R. · 2014                                                                    | R134 · C133 · A10 |
| • | <b>Driving massive molecular gas flows in central cluster galaxies with AGN feedback</b><br>Russell, H. R. · 2019                                                                            | R410 · C120 · A9  |
| ★ | <b>A very extended molecular web around NGC 1275</b><br>Salomé, P. · 2011                                                                                                                    | R155 · C110 · A1  |
| • | <b>The Origin of Molecular Clouds in Central Galaxies</b><br>Pulido, F. A. · 2018                                                                                                            | R164 · C103 · A9  |
| • | <b>ALMA observations of cold molecular gas filaments trailing rising radio bubbles in PKS 0745-191</b><br>Russell, H. R. · 2016                                                              | R172 · C87 · A9   |
| • | <b>Molecular Gas in the X-Ray Bright Group NGC 5044 as Revealed by ALMA</b><br>David, Laurence P. · 2014                                                                                     | R161 · C87 · A6   |
| • | <b>Far-ultraviolet morphology of star-forming filaments in cool core brightest cluster galaxies</b><br>Tremblay, G. R. · 2015                                                                | R156 · C75 · A19  |
| ★ | <b>Jet-induced star formation in 3C 285 and Minkowski's Object</b><br>Salomé, Q. · 2015                                                                                                      | R149 · C71 · A2   |
| • | <b>Close entrainment of massive molecular gas flows by radio bubbles in the central galaxy of Abell 1795</b><br>Russell, H. R. · 2017                                                        | R166 · C63 · A9   |
| • | <b>Constraining cold accretion on to supermassive black holes: molecular gas in the cores of eight brightest cluster galaxies revealed by joint CO and CN absorption</b><br>Rose, Tom · 2019 | R140 · C62 · A16  |

82 papers · Exhaustive corpus

Smart thematic index

Cosmology

Cosmology · Dark matter · Gravitational lensing

44

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|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| • | <b>A wide Chandra view of the core of the Perseus cluster</b><br>Fabian, A. C. · 2011                                                                     | R163 · C150 · A13 |
| ★ | <b>Energetics of the molecular gas in the H<sub>2</sub> luminous radio galaxy 3C 326: Evidence for negative AGN feedback</b><br>Nesvadba, N. P. H. · 2010 | R139 · C137 · A3  |
| • | <b>A 10<sup>10</sup> Solar Mass Flow of Molecular Gas in the A1835 Brightest Cluster Galaxy</b><br>McNamara, B. R. · 2014                                 | R134 · C133 · A10 |
| ★ | <b>A very extended molecular web around NGC 1275</b><br>Salomé, P. · 2011                                                                                 | R155 · C110 · A1  |
| • | <b>Optical emission line nebulae in galaxy cluster cores 1: the morphological, kinematic and spectral properties of the sample</b><br>Hamer, S. L. · 2016 | R220 · C91 · A6   |
| • | <b>Massive Molecular Gas Flows in the A1664 Brightest Cluster Galaxy</b><br>Russell, H. R. · 2014                                                         | R156 · C79 · A10  |
| ★ | <b>Gas and galaxies in filaments between clusters of galaxies. The study of A399-A401</b><br>Bonjean, V. · 2018                                           | R120 · C69 · A3   |
| • | <b>Close entrainment of massive molecular gas flows by radio bubbles in the central galaxy of Abell 1795</b><br>Russell, H. R. · 2017                     | R166 · C63 · A9   |
| ★ | <b>Dense gas formation and destruction in a simulated Perseus-like galaxy cluster with spin-driven black hole feedback</b><br>Beckmann, R. S. · 2019      | R205 · C59 · A4   |
| ★ | <b>Star formation rates and stellar masses from machine learning</b><br>Bonjean, V. · 2019                                                                | R141 · C56 · A3   |
| ★ | <b>Dense gas without star formation: the kpc-sized turbulent molecular disk in 3C 326 N</b><br>Nesvadba, N. P. H. · 2011                                  | R156 · C54 · A5   |
| ★ | <b>Detection of HNC and tentative detection of CN at z = 3.9</b><br>Guélin, M. · 2007                                                                     | R86 · C54 · A2    |
| ★ | <b>BR1202-0725: an extreme multiple merger at z = 4.7</b><br>Salomé, P. · 2012                                                                            | R173 · C51 · A1   |
| • | <b>Herschel photometry of brightest cluster galaxies in cooling flow clusters</b><br>Edge, A. C. · 2010                                                   | R166 · C51 · A23  |

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Gravitation & fundamental physics

Black holes · Gravitational waves

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| ★ | <b>Cold, clumpy accretion onto an active supermassive black hole</b><br>Tremblay, Grant R. · 2016                                                                                            | R300 · C170 · A4  |
| • | <b>A Galaxy-scale Fountain of Cold Molecular Gas Pumped by a Black Hole</b><br>Tremblay, G. R. · 2018                                                                                        | R188 · C119 · A32 |
| • | <b>Constraining cold accretion on to supermassive black holes: molecular gas in the cores of eight brightest cluster galaxies revealed by joint CO and CN absorption</b><br>Rose, Tom · 2019 | R140 · C62 · A16  |
| ★ | <b>Dense gas formation and destruction in a simulated Perseus-like galaxy cluster with spin-driven black hole feedback</b><br>Beckmann, R. S. · 2019                                         | R205 · C59 · A4   |
| • | <b>Cold gas dynamics in Hydra-A: evidence for a rotating disc</b><br>Hamer, S. L. · 2014                                                                                                     | R115 · C47 · A14  |
| • | <b>Deep and narrow CO absorption revealing molecular clouds in the Hydra-A brightest cluster galaxy</b><br>Rose, Tom · 2019                                                                  | R132 · C44 · A21  |
| • | <b>A multiwavelength view of cooling versus AGN heating in the X-ray luminous cool-core of Abell 3581</b><br>Canning, R. E. A. · 2013                                                        | R207 · C41 · A14  |
| • | <b>HST imaging of the dusty filaments and nucleus swirl in NGC4696 at the centre of the Centaurus Cluster</b><br>Fabian, A. C. · 2016                                                        | R258 · C36 · A6   |
| • | <b>The overmassive black hole in NGC 1277: new constraints from molecular gas kinematics</b><br>Scharwächter, J. · 2016                                                                      | R155 · C23 · A3   |
| • | <b>Atacama Compact Array Measurements of the Molecular Mass in the NGC 5044 Cooling-flow Group</b><br>Schellenberger, Gerrit · 2020                                                          | R150 · C20 · A9   |
| • | <b>Does absorption against AGN reveal supermassive black hole accretion?</b><br>Rose, Tom · 2023                                                                                             | R318 · C17 · A8   |
| • | <b>Search and analysis of giant radio galaxies with associated nuclei (SAGAN). II. Molecular gas content of giant radio galaxies</b><br>Dabhade, P. · 2020                                   | R129 · C17 · A3   |
| • | <b>A Massive, Clumpy Molecular Gas Distribution and Displaced AGN in Zw 3146</b><br>Vantyghem, A. N. · 2021                                                                                  | R130 · C9 · A11   |
| • | <b>Probing the gas fuelling and outflows in nearby AGN with ALMA</b><br>Audibert, Anelise · 2017                                                                                             | R1 · C5 · A4      |

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| ★ | <b>Formation of cold filaments in cooling flow clusters</b><br>Revaz, Y. · 2008                                                                                    | R123 · C117 · A3 |
| ★ | <b>A very extended molecular web around NGC 1275</b><br>Salomé, P. · 2011                                                                                          | R155 · C110 · A1 |
| • | <b>Properties of the molecular gas in the fast outflow in the Seyfert galaxy IC 5063</b><br>Oosterloo, Tom · 2017                                                  | R149 · C93 · A6  |
| • | <b>Far-ultraviolet morphology of star-forming filaments in cool core brightest cluster galaxies</b><br>Tremblay, G. R. · 2015                                      | R156 · C75 · A19 |
| ★ | <b>Star formation rates and stellar masses from machine learning</b><br>Bonjean, V. · 2019                                                                         | R141 · C56 · A3  |
| ★ | <b>Gas condensation in brightest group galaxies unveiled with MUSE. Morphology and kinematics of the ionized gas</b><br>Olivares, V. · 2022                        | R171 · C49 · A2  |
| • | <b>Herschel observations of extended atomic gas in the core of the Perseus cluster</b><br>Mittal, Rupal · 2012                                                     | R126 · C47 · A10 |
| • | <b>SKA Science Data Challenge 2: analysis and results</b><br>Hartley, P. · 2023                                                                                    | R335 · C26 · A42 |
| • | <b>The nature of the H<sub>2</sub>-emitting gas in the Crab nebula</b><br>Richardson, C. T. · 2013                                                                 | R200 · C19 · A7  |
| • | <b>YOLO-CIANNA: Galaxy detection with deep learning in radio data: I. A new YOLO-inspired source detection method applied to the SKAO SDC1</b><br>Cornu, D. · 2024 | R239 · C18 · A2  |
| • | <b>CO in the ALMA Radio-source Catalogue (ARC): The molecular gas content of radio galaxies as a function of redshift</b><br>Audibert, A. · 2022                   | R178 · C14 · A8  |
| • | <b>YOLO-CIANNA: Galaxy detection with deep learning in radio data: II. Winning the SKA SDC2 using a generalized 3D-YOLO network</b><br>Cornu, D. · 2026            | R225 · C1 · A3   |
| • | <b>Formation of cold molecular filaments in cooling flow clusters</b><br>Revaz, Yves · 2006                                                                        | R103 · C0 · A3   |

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## General astronomy

General astrophysics

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| • | <b>Are dust shell models well-suited to explain interferometric data of late-type stars in the near-infrared?</b><br>Schuller, P. · 2004 | R96 · C15 · A2 |
| • | <b>Yafits</b><br>Salome, Philippe · 2021                                                                                                 | R0 · C1 · A1   |

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2026

2026

8 publications · 5 cumulative citations · 4427 ADS reads

Mapping gas accretion and stellar kinematics to sub-kiloparsec scales in NGC 4696 with JWST/NIRSpec

Marquis, Mathieu, Hlavacek-Larrondo, Julie, Pereira, Olivia, Reefe, Michael et al.

arXiv e-prints · C0 · R447

AGN / quasars · ALMA · JWST · Kinematics · MUSE

ADS

DOI

arXiv

PDF arXiv

MICONIC: The multiphase circumnuclear region of Centaurus A as seen with JWST/MIRI MRS observations: I. Spectral inventory and properties of the warm molecular disk

Evangelista, L., Guillard, P., Martin, J., Salomé, P. et al.

Astronomy and Astrophysics · C1 · R589

Black holes · Feedback / winds / shocks · AGN / quasars · JWST · Outflows · Kinematics · Gas / ISM · Molecular gas · Radio

ADS

DOI

arXiv

PDF arXiv

JWST Reveals How Black Holes are Fed: Kiloparsec-scale Multiphase Filaments Feed Subkiloparsec Circumnuclear Disks

Hlavacek-Larrondo, Julie, Choi, Hyunseop, Guo, Minghao, Marquis, Mathieu et al.

The Astrophysical Journal Letters · C0 · R1672

Black holes · Galaxies / evolution · Clusters / groups · Star formation · Feedback / winds / shocks · AGN / quasars · JWST · Kinematics · Molecular gas · X-rays

ADS

DOI

arXiv

PDF arXiv

Probing the molecular gas content of galaxies in an over-dense group at z~0.7: a test case for environmental quenching

Freundlich, Jonathan, Epinat, Benoît, Contini, Thierry, Salomé, Philippe et al.

arXiv e-prints · C0 · R524

Large-scale structure · Clusters / groups · Star formation · Quenching · MUSE · Ionised gas · Gas / ISM · Molecular gas

ADS

DOI

arXiv

PDF arXiv

Resolved molecular gas and star formation in massive unquenched spirals: I. UGC 8179

Cogni, R., Flesch, S., Salomé, P., Le Borgne, D. et al.

Astronomy and Astrophysics · C0 · R259

Star formation · Quenching · Spirals / morphology · Gas / ISM · Molecular gas

ADS

DOI

arXiv

PDF arXiv

Molecular gas properties of star-forming brightest group galaxies at  $z \sim 0.3$

Toni, Greta, Castignani, Gianluca, Combes, Françoise, Salomé, Philippe et al.

arXiv e-prints · C2 · R521

Cosmology · Clusters / groups · Star formation · Quenching · Gas / ISM · Molecular gas

ADS

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arXiv

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YOLO-CIANNA: Galaxy detection with deep learning in radio data: II. Winning the SKA SDC2 using a generalized 3D-YOLO network

Cornu, D., Semelin, B., Salomé, P., Lu, X. et al.

Astronomy and Astrophysics · C1 · R225

Radio · Statistics / machine learning

ADS

DOI

arXiv

PDF arXiv

The relationship between warm and hot gas-phase metallicity in massive elliptical galaxies and the influence of active galactic nucleus feedback

Olivares, Valeria, Su, Yuanyuan, Temi, Pasquale, Eskenasy, Ryan et al.

Astronomy and Astrophysics · C1 · R190

Black holes · Clusters / groups · Star formation · Feedback / winds / shocks · AGN / quasars · Kinematics · MUSE · Ionised gas · Gas / ISM · X-rays

ADS

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2025

2025

5 publications · 6 cumulative citations · 547 ADS reads

Resolving jet-driven AGN feedback in Centaurus A's northern filaments on a cloud-scale with ALMA

Flesch, S., Salome, Q., Salome, P., Guillard, P.

SF2A-2025: Semaine de l'Astrophysique Francaise · C0 · R0

Star formation · Feedback / winds / shocks · AGN / quasars · ALMA

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Failed quenching in massive spiral galaxies

Cognigni, R., Salomé, P., Le Borgne, D., Guillard, P. et al.

SF2A-2025: Semaine de l'Astrophysique Francaise · C0 · R1

Galaxies / evolution · Star formation · Feedback / winds / shocks · AGN / quasars · Quenching · Spirals / morphology · Gas / ISM · Molecular gas

ADS

ALHAMBRA (Advanced Large Heterodyne Array for Millimeter Band Radio Astronomy)

Hughes, A., Maret, S., Salomé, P., di Folco, E. et al.

SF2A-2025: Semaine de l'Astrophysique Francaise · C0 · R0

Radio

ADS

Observations of carbon radio recombination lines with the NenuFAR telescope: I. Cassiopeia A and Cygnus A

Cros, Lucie, Gusdorf, Antoine, Salomé, Philippe, Stepkin, Sergiy et al.

Astronomy and Astrophysics · C1 · R317

Gas / ISM · Radio

ADS

DOI

arXiv

PDF arXiv

Molecular gas in cool-core brightest cluster galaxies at  $z \simeq 0.4$

Castignani, G., Combes, F., Salomé, P., Edge, A. et al.

Astronomy and Astrophysics · C5 · R229

Clusters / groups · Star formation · Feedback / winds / shocks · AGN / quasars · Gas / ISM · Molecular gas

ADS

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arXiv

PDF arXiv

2024

20247 publications · 37 cumulative citations · 696 ADS reads

**First detections of Carbon Radio Recombination Lines with the NenuFAR telescope**

Cros, L., Gusdorf, A., Salomé, P., Stepkin, S. et al.

SF2A-2024: Proceedings of the Annual meeting of the French Society of Astronomy and Astrophysics · C0 · R0

Gas / ISM

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**YOLO-CIANNA: Galaxy detection with deep learning in radio data: I. A new YOLO-inspired source detection method applied to the SKAO SDC1**

Cornu, D., Salomé, P., Semelin, B., Marchal, A. et al.

Astronomy and Astrophysics · C18 · R239

Radio · Statistics / machine learning

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**Physical conditions in Centaurus A's northern filaments: II. Does the HCO<sup>+</sup> emission highlight the presence of shocks?**

Salomé, Q., Salomé, P., Godard, B., Guillard, P. et al.

Astronomy and Astrophysics · C0 · R179

Star formation · Feedback / winds / shocks · ALMA · Gas / ISM · Molecular gas

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**Two distinct molecular cloud populations detected in massive galaxies**

Rose, Tom, McNamara, B. R., Combes, F., Edge, A. C. et al.

Monthly Notices of the Royal Astronomical Society · C13 · R134

Star formation · AGN / quasars · ALMA · Outflows · Kinematics · Molecular gas · Radio

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[PDF arXiv](#)

**Yafits - A distributed 2D/3D quick-look viewer**

Salome, P., Moreau, N., Ba, Y.-A., Caillat, M.

Astronomical Data Analysis Software and Systems XXXI · C1 · R0

ALMA

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**Feeding the Black-Holes : From cooling filaments to H2 accretion disks**

Salome, Philippe, Donahue, Megan, Beckmann, Ricarda Sylvia, Boulanger, Francois et al.

JWST Proposal. Cycle 3 · C0 · R2

Black holes · Clusters / groups · Feedback / winds / shocks · AGN / quasars · JWST · Molecular gas

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**A massive multiphase plume of gas in Abell 2390's brightest cluster galaxy**

Rose, Tom, McNamara, B. R., Combes, F., Edge, A. C. et al.

Monthly Notices of the Royal Astronomical Society · C5 · R142

Star formation · AGN / quasars · ALMA · Outflows · Gas / ISM · HI / neutral gas · Molecular gas · X-rays

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2023 6 publications · 64 cumulative citations · 979 ADS reads

**X-Ray Cavity Dynamics and Their Role in the Gas Precipitation in Planck Sunyaev-Zeldovich (SZ) Selected Clusters**

**Olivares, V.**, Su, Y., Forman, W., Gaspari, M. et al.

**The Astrophysical Journal** · **C15** · **R151**

Clusters / groups · Feedback / winds / shocks · AGN / quasars · MUSE · Ionised gas · High-energy astrophysics · X-rays

ADS

DOI

arXiv

PDF arXiv

**SKA Science Data Challenge 2: analysis and results**

Hartley, P., Bonaldi, A., Braun, R., Aditya, J. N. H. S. et al.

**Monthly Notices of the Royal Astronomical Society** · **C26** · **R335**

Cosmology · HI / neutral gas · Radio · Simulations / numerical methods · Statistics / machine learning

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DOI

arXiv

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**A Galaxy-Scale Fountain of Multiphase Gas Pumped by a Black Hole: The power of JWST combined with ALMA, MUSE, Chandra, and HST**

Tremblay, Grant R., Baum, Stefi A., Blanton, Elizabeth, Bremer, Malcolm et al.

**JWST Proposal. Cycle 2** · **C0** · **R1**

Black holes · Galaxies / evolution · Feedback / winds / shocks · ALMA · JWST · MUSE · X-rays

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**Star-forming brightest cluster galaxies at  $z \sim 0.4$  in KiDS. Further studies of cold gas and stellar properties**

Castignani, G., Radovich, M., Combes, F., Salomé, P. et al.

**Astronomy and Astrophysics** · **C6** · **R174**

Star formation · Quenching · Molecular gas

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arXiv

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**VizieR Online Data Catalog: KiDS 1433 CO spectra (Castignani+, 2023)**

Castignani, G., Radovich, M., Combes, F., Salome, P. et al.

**VizieR Online Data Catalog** · **C0** · **R0**

Molecular gas

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**Does absorption against AGN reveal supermassive black hole accretion?**

Rose, Tom, McNamara, B. R., Combes, F., Edge, A. C. et al.

**Monthly Notices of the Royal Astronomical Society** · **C17** · **R318**

Black holes · Star formation · Feedback / winds / shocks · AGN / quasars · ALMA · Gas / ISM · Molecular gas

ADS

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2022 8 publications · 150 cumulative citations · 966 ADS reads

**CO in the ALMA Radio-source Catalogue (ARC): The molecular gas content of radio galaxies as a function of redshift**

Audibert, A., Dasyra, K. M., Papachristou, M., Fernández-Ontiveros, J. A. et al.

**Astronomy and Astrophysics · C14 · R178**

Dark matter · Galaxies / evolution · Star formation · AGN / quasars · ALMA · Outflows · Gas / ISM · Molecular gas · Radio · Simulations / numerical methods

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**Star-forming and gas-rich brightest cluster galaxies at z ~ 0.4 in the Kilo-Degree Survey**

Castignani, G., Radovich, M., Combes, F., Salomé, P. et al.

**Astronomy and Astrophysics · C14 · R130**

Star formation · Molecular gas

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**Gas condensation in brightest group galaxies unveiled with MUSE. Morphology and kinematics of the ionized gas**

**Olivares, V.**, Salomé, P., **Hamer, S. L.**, Combes, F. et al.

**Astronomy and Astrophysics · C49 · R171 · SELECTED**

Clusters / groups · Kinematics · MUSE · Ionised gas · Molecular gas · X-rays · Simulations / numerical methods

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**VizieR Online Data Catalog: CO in the ALMA Radio-source Catalogue (ARC) (Audibert+, 2022)**

Audibert, A., Dasyra, K. M., Papachristou, M., Fernandez-Ontiveros, J. A. et al.

**VizieR Online Data Catalog · C0 · R0**

ALMA · Molecular gas · Radio

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**VizieR Online Data Catalog: 3 KiDS cluster galaxies at z~0.4 CO spectra (Castignani+, 2022)**

Castignani, G., Radovich, M., Combes, F., Salome, P. et al.

**VizieR Online Data Catalog · C0 · R0**

Molecular gas

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**VizieR Online Data Catalog: Molecular gas in distant brightest cluster gal. (Castignani+ 2020)**

Castignani, G., Combes, F., Salome, P., Freundlich, J.

**VizieR Online Data Catalog · C0 · R0**

Molecular gas

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**Virgo filaments. I. Processing of gas in cosmological filaments around the Virgo cluster**

Castignani, G., Combes, F., Jablonka, P., Finn, R. A. et al.

**Astronomy and Astrophysics · C68 · R213**

Clusters / groups · Star formation · Quenching · Gas / ISM

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**Dense Molecular Clouds in the Crab Supernova Remnant**

Wootten, Alwyn, Bentley, Rory O., Baldwin, J., Combes, F. et al.

**The Astrophysical Journal · C5 · R274**

Clusters / groups · Star formation · ALMA · Gas / ISM · Molecular gas · High-energy astrophysics

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2021

2021

9 publications · 37 cumulative citations · 577 ADS reads

**Molecular gas along the old radio jets of the cluster-central type 2 quasar IRAS 09104+4109**  
O'Sullivan, Ewan, Combes, Françoise, Babul, Arif, Chapman, Scott et al.  
**Monthly Notices of the Royal Astronomical Society · C10 · R157**  
Cosmology · Clusters / groups · AGN / quasars · Outflows · Kinematics · Ionised gas · Molecular gas · X-rays

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**1321+045: A compact steep-spectrum radio source in a cool-core galaxy cluster**  
O'Sullivan, Ewan, Kunert-Bajraszewska, Magdalena, Siemiginowska, Aneta, Burke, Douglas J. et al.  
**Astronomische Nachrichten · C0 · R98**  
Clusters / groups · Feedback / winds / shocks · AGN / quasars · X-rays

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**Yafits**  
Salome, Philippe, Caillat, Michel, Moreau, Nicolas, Awa Ba, Yaye  
**Zenodo · C1 · R0**  
General astrophysics

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**VizieR Online Data Catalog: Virgo Filaments. I. CO and HI data (Castignani+, 2022)**  
Castignani, G., Combes, F., Jablonka, P., Finn, R. A. et al.  
**VizieR Online Data Catalog · C0 · R2**  
HI / neutral gas · Molecular gas

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**Excitation mechanisms in the intracluster filaments surrounding brightest cluster galaxies**  
**Polles, F. L.**, Salomé, P., Guillard, P., Godard, B. et al.  
**Astronomy and Astrophysics · C13 · R0**  
Clusters / groups · Star formation · Feedback / winds / shocks · AGN / quasars · Ionised gas · Gas / ISM · HI / neutral gas · Molecular gas · X-rays

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**The Cluster-central Compact Steep-spectrum Radio Galaxy 1321+045**  
O'Sullivan, Ewan, Kunert-Bajraszewska, Magdalena, Siemiginowska, Aneta, Burke, D. J. et al.  
**The Astrophysical Journal · C4 · R190**  
Cosmology · Clusters / groups · AGN / quasars · Molecular gas · X-rays · Radio

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**Excitation mechanisms in the intracluster filaments surrounding Brightest Cluster Galaxies**  
**Polles, Fiorella Lucia**, Salomé, P., Guillard, P., Godard, B. et al.  
**Extragalactic Spectroscopic Surveys: Past, Present and Future of Galaxy Evolution (GALSPEC2021) · C0 · R0**  
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**A Massive, Clumpy Molecular Gas Distribution and Displaced AGN in Zw 3146**  
Vantyghem, A. N., McNamara, B. R., O'Dea, C. P., Baum, S. A. et al.  
**The Astrophysical Journal · C9 · R130**  
Gravitational waves · Black holes · Clusters / groups · Feedback / winds / shocks · AGN / quasars · ALMA · Kinematics · Molecular gas · X-rays

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2021 · continued

Ubiquitous cold and massive filaments in brightest cluster galaxies

**Olivares, Valeria**, Salomé, Philippe

**Galaxy Evolution and Feedback across Different Environments · C0 · R0**  
Clusters / groups · AGN / quasars · ALMA · MUSE · Simulations / numerical methods

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2020

2020

12 publications · 125 cumulative citations · 1164 ADS reads

**Search and analysis of giant radio galaxies with associated nuclei (SAGAN). II. Molecular gas content of giant radio galaxies**

Dabhade, P., Combes, F., Salomé, P., Bagchi, J. et al.

**Astronomy and Astrophysics · C17 · R129**

Black holes · Galaxies / evolution · Star formation · Quenching · Spirals / morphology · Gas / ISM · HI / neutral gas · Molecular gas · X-rays · Radio

ADS

DOI

arXiv

PDF arXiv

**Massive molecular gas reservoir around the central AGN in the CARLA J1103 + 3449 cluster at z = 1.44**

Markov, Vladan, Mei, Simona, Salomé, Philippe, Combes, Françoise et al.

**Astronomy and Astrophysics · C8 · R221**

Cosmology · Star formation · AGN / quasars · Quenching · Molecular gas · Radio

ADS

DOI

arXiv

PDF arXiv

**Molecular gas in CLASH brightest cluster galaxies at z ~ 0.2 - 0.9**

Castignani, G., Pandey-Pommier, M., Hamer, S. L., Combes, F. et al.

**Astronomy and Astrophysics · C25 · R205**

Cosmology · Galaxies / evolution · Star formation · Molecular gas · X-rays

ADS

DOI

arXiv

PDF arXiv

**VizieR Online Data Catalog: CARLA J1103+3449 cluster datacube (Markov+, 2020)**

Markov, V., Mei, S., Salome, P., Combes, F. et al.

**VizieR Online Data Catalog · C0 · R0**

Molecular gas

ADS

DOI

**A molecular absorption line survey towards the AGN of Hydra-A**

Rose, Tom, Edge, A. C., Combes, F., Hamer, S. et al.

**Monthly Notices of the Royal Astronomical Society · C25 · R161**

Star formation · AGN / quasars · ALMA · Gas / ISM · Radio

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**VizieR Online Data Catalog: CLASH brightest cluster galaxies CO spectra (Castignani+, 2020)**

Castignani, G., Pandey-Pommier, M., Hamer, S. L., Combes, F. et al.

**VizieR Online Data Catalog · C0 · R0**

Molecular gas

ADS

DOI

**Atacama Compact Array Measurements of the Molecular Mass in the NGC 5044 Cooling-flow Group**

Schellenberger, Gerrit, David, Laurence P., Vrtilek, Jan, O'Sullivan, Ewan et al.

**The Astrophysical Journal · C20 · R150**

Black holes · Clusters / groups · Star formation · AGN / quasars · Molecular gas · X-rays

ADS

DOI

arXiv

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**Molecular gas in distant brightest cluster galaxies**

Castignani, G., Combes, F., Salomé, P., Freundlich, J.

**Astronomy and Astrophysics · C12 · R143**

Cosmology · Star formation · ALMA · JWST · Gas / ISM · Molecular gas

ADS

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arXiv

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Environmental processing in cluster core galaxies at  $z = 1.7$

Castignani, G., Combes, F., Salomé, P.  
**Astronomy and Astrophysics · C18 · R155**  
Cosmology · Star formation · Gas / ISM · Molecular gas

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The Complete Local-Volume Groups Sample (CLOGS): recent results from X-ray, radio continuum, and CO line observations

Vrtilek, J. M., O'Sullivan, E., Kolokythas, K., David, L. et al.  
**American Astronomical Society Meeting Abstracts #235 · C0 · R0**  
Galaxies / evolution · Clusters / groups · Feedback / winds / shocks · AGN / quasars · X-rays · Radio

[ADS](#)

A census of the molecular gas in the archetypal cooling flow group NGC 5044

Schellenberger, G., David, L., Vrtilek, J., O'Sullivan, E. et al.  
**American Astronomical Society Meeting Abstracts #235 · C0 · R0**  
Black holes · Clusters / groups · Star formation · AGN / quasars · ALMA · Molecular gas · X-rays

[ADS](#)

ARTEMIX and YAFITS: Remote Viewer Experiments

Salomé, P., Caillat, M., Moreau, N., Ba, Y.-A.  
**Astronomical Data Analysis Software and Systems XXIX · C0 · R0**  
ALMA

[ADS](#)

2019

2019

18 publications · 750 cumulative citations · 2503 ADS reads

**Driving massive molecular gas flows in central cluster galaxies with AGN feedback**  
Russell, H. R., McNamara, B. R., Fabian, A. C., Nulsen, P. E. J. et al.  
**Monthly Notices of the Royal Astronomical Society · C120 · R410**  
Clusters / groups · Star formation · Feedback / winds / shocks · AGN / quasars · ALMA · Molecular gas · X-rays

[ADS](#)  
[DOI](#)  
[arXiv](#)  
[PDF arXiv](#)

**Ubiquitous cold and massive filaments in cool core clusters**  
Olivares, V., Salome, P., Combes, F., Hamer, S. et al.  
**Astronomy and Astrophysics · C157 · R150 · SELECTED**  
Clusters / groups · Feedback / winds / shocks · AGN / quasars · ALMA · Kinematics · MUSE · Molecular gas · X-rays

[ADS](#)  
[DOI](#)  
[arXiv](#)  
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**Dense gas formation and destruction in a simulated Perseus-like galaxy cluster with spin-driven black hole feedback**  
Beckmann, R. S., Dubois, Y., Guillard, P., Salome, P. et al.  
**Astronomy and Astrophysics · C59 · R205 · SELECTED**  
Black holes · Dark matter · Clusters / groups · Star formation · Feedback / winds / shocks · AGN / quasars · Outflows · Quenching · Kinematics · Molecular gas

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**Constraining cold accretion on to supermassive black holes: molecular gas in the cores of eight brightest cluster galaxies revealed by joint CO and CN absorption**  
Rose, Tom, Edge, A. C., Combes, F., Gaspari, M. et al.  
**Monthly Notices of the Royal Astronomical Society · C62 · R140**  
Black holes · Feedback / winds / shocks · AGN / quasars · Gas / ISM · HI / neutral gas · Molecular gas · Radio

[ADS](#)  
[DOI](#)  
[arXiv](#)  
[PDF arXiv](#)

**ARTEMIX - Alma RemoTE Mining eXperiment**  
Salome, Philippe, Kasradze, Nodar, Caillat, Michel  
**Astronomical Data Analysis Software and Systems XXVI · C0 · R0**  
ALMA

[ADS](#)

**Complex molecular gas kinematics in the inner 5 kpc of 4C12.50 as seen by ALMA**  
Fotopoulou, C. M., Dasyra, K. M., Combes, F., Salomé, P. et al.  
**Astronomy and Astrophysics · C16 · R146**  
ALMA · Outflows · Kinematics · Gas / ISM · Molecular gas · X-rays

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[arXiv](#)  
[PDF arXiv](#)

**VizieR Online Data Catalog: ALMA CO observations of the system 4C12.50 (Fotopoulou+, 2019)**  
Fotopoulou, C. M., Dasyra, K. M., Combes, F., Salome, P. et al.  
**VizieR Online Data Catalog · C0 · R0**  
ALMA · Gas / ISM · Molecular gas

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**Physical conditions in Centaurus A's northern filaments. I. APEX mid-J CO observations of CO-bright regions**  
Salomé, Q., Salomé, P., Gusdorf, A., Combes, F.  
**Astronomy and Astrophysics · C4 · R189**  
Star formation · Feedback / winds / shocks · AGN / quasars · ALMA · MUSE · Ionised gas · Gas / ISM · HI / neutral gas · Molecular gas

[ADS](#)  
[DOI](#)  
[arXiv](#)  
[PDF arXiv](#)

2019 · continued

**VizieR Online Data Catalog: APEX spectra of Centaurus A (Salomé+, 2019)**

Salomé, Q., Salomé, P., Gusdorf, A., Combes, F.

**VizieR Online Data Catalog · C0 · R0**

Galaxies / evolution · Radio

ADS

DOI

**Deep and narrow CO absorption revealing molecular clouds in the Hydra-A brightest cluster galaxy**

Rose, Tom, Edge, A. C., Combes, F., Gaspari, M. et al.

**Monthly Notices of the Royal Astronomical Society · C44 · R132**

Black holes · Star formation · AGN / quasars · ALMA · Outflows · Gas / ISM · Molecular gas

ADS

DOI

arXiv

PDF arXiv

**The core of the massive cluster merger MACS J0417.5-1154 as seen by VLT/MUSE**

Jauzac, Mathilde, Mahler, Guillaume, Edge, Alastair C., Sharon, Keren et al.

**Monthly Notices of the Royal Astronomical Society · C32 · R165**

Dark matter · Gravitational lensing · Clusters / groups · MUSE · X-rays

ADS

DOI

arXiv

PDF arXiv

**The Complete Local-Volume Groups Sample (CLoGS): progress in X-ray, radio continuum, and CO line observations**

Vrtilek, Jan M., O'Sullivan, Ewan, Kolokythas, Konstantinos, David, Laurence et al.

**AAS/High Energy Astrophysics Division · C0 · R0**

Clusters / groups · Star formation · Feedback / winds / shocks · AGN / quasars · X-rays · Radio

ADS

**Molecular gas in radio galaxies in dense megaparsec-scale environments at z = 0.4-2.6**

Castignani, G., Combes, F., Salomé, P., Benoist, C. et al.

**Astronomy and Astrophysics · C22 · R190**

Cosmology · Star formation · AGN / quasars · ALMA · JWST · Gas / ISM · Molecular gas · Radio

ADS

DOI

arXiv

PDF arXiv

**Discovery of a diffuse optical line emitting halo in the core of the Centaurus cluster of galaxies: line emission outside the protection of the filaments**

Hamer, S. L., Fabian, A. C., Russell, H. R., Salomé, P. et al.

**Monthly Notices of the Royal Astronomical Society · C13 · R166**

Cosmology · Clusters / groups · Feedback / winds / shocks · MUSE

ADS

DOI

arXiv

PDF arXiv

**ALMA CO(2-1) observations in the XUV disk of M83**

Bicalho, Isadora C., Combes, Françoise, Rubio, Monica, Verdugo, Celia et al.

**Astronomy and Astrophysics · C12 · R153**

Star formation · ALMA · Spirals / morphology · Ionised gas · Gas / ISM · Molecular gas · High redshift

ADS

DOI

arXiv

PDF arXiv

**Star formation rates and stellar masses from machine learning**

Bonjean, V., Aghanim, N., Salomé, P., Beelen, A. et al.

**Astronomy and Astrophysics · C56 · R141 · SELECTED**

Cosmology · Large-scale structure · Star formation · Statistics / machine learning

ADS

DOI

arXiv

PDF arXiv

2019 · continued

PHIBSS2: survey design and  $z = 0.5 - 0.8$  results. Molecular gas reservoirs during the winding-down of star formation

Freundlich, J., Combes, F., Tacconi, L. J., Genzel, R. et al.

Astronomy and Astrophysics · C120 · R191

Star formation · Quenching · Spirals / morphology · Gas / ISM · Molecular gas · High redshift

ADS

DOI

arXiv

PDF arXiv

An Enormous Molecular Gas Flow in the RX J0821+0752 Galaxy Cluster

Vantyghem, A. N., McNamara, B. R., Russell, H. R., Edge, A. C. et al.

The Astrophysical Journal · C33 · R125

Clusters / groups · ALMA · Kinematics · Gas / ISM · Molecular gas · X-rays

ADS

DOI

arXiv

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2018

2018

14 publications · 1215 cumulative citations · 1486 ADS reads

Molecular gas in two companion cluster galaxies at  $z = 1.2$  (Corrigendum)

Castignani, G., Combes, F., Salomé, P., Andreon, S. et al.

Astronomy and Astrophysics · C0 · R0

Star formation · Molecular gas

ADS

DOI

Molecular gas in Low Luminosity Radio Galaxies in (proto-)clusters at  $z$  0.4-2.6

Castignani, G., Combes, F., Salomé, P., Benoist, C. et al.

AGN13: Beauty and the Beast · C0 · R0

Clusters / groups · Star formation · AGN / quasars · ALMA · JWST · Molecular gas · Radio

ADS

DOI

Cold gas in a complete sample of group-dominant early-type galaxies

O'Sullivan, E., Combes, F., Salomé, P., David, L. P. et al.

Astronomy and Astrophysics · C51 · R134 · SELECTED

Star formation · AGN / quasars · HI / neutral gas · Molecular gas · X-rays

ADS

DOI

arXiv

PDF arXiv

Molecular gas in two companion cluster galaxies at  $z = 1.2$

Castignani, G., Combes, F., Salomé, P., Andreon, S. et al.

Astronomy and Astrophysics · C20 · R116

Cosmology · Clusters / groups · Star formation · AGN / quasars · Molecular gas

ADS

DOI

arXiv

PDF arXiv

Molecular gas in radio galaxies at  $S_z=0.4-2.6$  in (proto-)cluster environment

Castignani, G., Combes, F., Salomé, P., Benoist, C. et al.

arXiv e-prints · C0 · R165

Cosmology · Clusters / groups · ALMA · JWST · Molecular gas · Radio

ADS

DOI

arXiv

PDF arXiv

Inefficient jet-induced star formation in Centaurus A. High resolution ALMA observations of the northern filaments (Corrigendum)

Salomé, Q., Salomé, P., Miville-Deschênes, M.-A., Combes, F. et al.

Astronomy and Astrophysics · C0 · R0

Star formation · ALMA

ADS

DOI

A Galaxy-scale Fountain of Cold Molecular Gas Pumped by a Black Hole

Tremblay, G. R., Combes, F., Oonk, J. B. R., Russell, H. R. et al.

The Astrophysical Journal · C119 · R188

Black holes · Galaxies / evolution · Clusters / groups · Star formation · Feedback / winds / shocks · AGN / quasars · ALMA · Outflows · Kinematics · MUSE

ADS

DOI

arXiv

PDF arXiv

Molecular Gas Filaments and Star-forming Knots Beneath an X-Ray Cavity in RXC J1504-0248

Vantyghem, A. N., McNamara, B. R., Russell, H. R., Edge, A. C. et al.

The Astrophysical Journal · C26 · R110

Clusters / groups · Star formation · AGN / quasars · ALMA · Kinematics · Gas / ISM · Molecular gas · X-rays

ADS

DOI

arXiv

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2018 · continued

**VizieR Online Data Catalog: CO in group-dominant ellipticals (O'Sullivan+, 2018)**

O'Sullivan, E., Combes, F., Salome, P., David, L. P. et al.

**VizieR Online Data Catalog · C0 · R0**

Molecular gas

[ADS](#)[DOI](#)

**A Virgo Environmental Survey Tracing Ionised Gas Emission (VESTIGE). I. Introduction to the survey**

Boselli, A., Fossati, M., Ferrarese, L., Boissier, S. et al.

**Astronomy and Astrophysics · C120 · R217**

Galaxies / evolution · Star formation · Ionised gas · Gas / ISM · High redshift

[ADS](#)[DOI](#)[arXiv](#)[PDF arXiv](#)

**The Origin of Molecular Clouds in Central Galaxies**

Pulido, F. A., McNamara, B. R., Edge, A. C., Hogan, M. T. et al.

**The Astrophysical Journal · C103 · R164**

Clusters / groups · Star formation · Molecular gas · X-rays

[ADS](#)[DOI](#)[arXiv](#)[PDF arXiv](#)

**PHIBSS: Unified Scaling Relations of Gas Depletion Time and Molecular Gas Fractions**

Tacconi, L. J., Genzel, R., Saintonge, A., Combes, F. et al.

**The Astrophysical Journal · C707 · R272**

Star formation · Kinematics · Molecular gas · High redshift

[ADS](#)[DOI](#)[arXiv](#)[PDF arXiv](#)

**Gas and galaxies in filaments between clusters of galaxies. The study of A399-A401**

Bonjean, V., Aghanim, N., Salomé, P., Douspis, M. et al.

**Astronomy and Astrophysics · C69 · R120 · SELECTED**

Cosmology · Large-scale structure · Galaxies / evolution · Clusters / groups · Star formation

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**ALMA Submillimeter Observations of Molecular Globules within the Crab Nebula**

Bentley, Rory, Wootten, Al, Loh, Ed, Baldwin, Jack et al.

**American Astronomical Society Meeting Abstracts #231 · C0 · R0**

ALMA

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2017

2017

7 publications · 228 cumulative citations · 641 ADS reads

**Properties of the molecular gas in the fast outflow in the Seyfert galaxy IC 5063**

Oosterloo, Tom, Raymond Oonk, J. B., Morganti, Raffaella, Combes, Françoise et al.

**Astronomy and Astrophysics · C93 · R149**

AGN / quasars · ALMA · Outflows · Quenching · Kinematics · Gas / ISM · HI / neutral gas · Molecular gas · Simulations / numerical methods

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**Probing the gas fuelling and outflows in nearby AGN with ALMA**

Audibert, Anelise, Combes, Françoise, García-Burillo, Santiago, Salomé, Philippe

**Frontiers in Astronomy and Space Sciences · C5 · R1**

Black holes · Galaxies / evolution · Star formation · Feedback / winds / shocks · AGN / quasars · ALMA · Outflows · Spirals / morphology · Kinematics

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**Inefficient jet-induced star formation in Centaurus A. High resolution ALMA observations of the northern filaments**

**Salomé, Q.**, Salomé, P., Miville-Deschênes, M.-A., Combes, F. et al.

**Astronomy and Astrophysics · C34 · R191**

Star formation · Feedback / winds / shocks · AGN / quasars · ALMA · Kinematics · Molecular gas

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**Close entrainment of massive molecular gas flows by radio bubbles in the central galaxy of Abell 1795**

Russell, H. R., McNamara, B. R., Fabian, A. C., Nulsen, P. E. J. et al.

**Monthly Notices of the Royal Astronomical Society · C63 · R166**

Cosmology · Star formation · Feedback / winds / shocks · AGN / quasars · ALMA · Molecular gas · X-rays

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[DOI](#)  
[arXiv](#)  
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**VizieR Online Data Catalog: APEX spectra of Centaurus A (Salome+, 2017)**

**Salome, Q.**, Salome, P., Miville-Deschenes, M.-A., Combes, F. et al.

**VizieR Online Data Catalog · C0 · R0**

Star formation · ALMA

[ADS](#)  
[DOI](#)

**VizieR Online Data Catalog: Optical emission lines in galaxy cluster cores 1 (Hamer+, 2016)**

**Hamer, S. L.**, Edge, A. C., Swinbank, A. M., Wilman, R. J. et al.

**VizieR Online Data Catalog · C0 · R0**

Clusters / groups · X-rays

[ADS](#)

**A <sup>13</sup>CO Detection in a Brightest Cluster Galaxy**

Vantyghem, A. N., McNamara, B. R., Edge, A. C., Combes, F. et al.

**The Astrophysical Journal · C33 · R134**

Clusters / groups · ALMA · Gas / ISM · Molecular gas

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[arXiv](#)  
[PDF arXiv](#)

2016

2016

13 publications · 627 cumulative citations · 1822 ADS reads

**Molecular Gas Along a Bright H $\alpha$  Filament in 2A 0335+096 Revealed by ALMA**  
Vantygghem, A. N., McNamara, B. R., Russell, H. R., Hogan, M. T. et al.  
**The Astrophysical Journal** · **C55** · **R197**  
Clusters / groups · ALMA · Outflows · Kinematics · Gas / ISM · Molecular gas · X-rays

ADS

DOI

arXiv

PDF arXiv

**A new insight of the northern filaments of Centaurus A**  
Salomé, Q., Salomé, P., Combes, F., Hamer, S.  
**SF2A-2016: Proceedings of the Annual meeting of the French Society of Astronomy and Astrophysics** · **C0** · **R0**  
Star formation · Feedback / winds / shocks · AGN / quasars · MUSE · Molecular gas

ADS

**ALMA reveals optically thin, highly excited CO gas in the jet-driven winds of the galaxy IC 5063**  
Dasyra, K. M., Combes, F., Oosterloo, T., Oonk, J. B. R. et al.  
**Astronomy and Astrophysics** · **C94** · **R178**  
ALMA · Outflows · Kinematics · Gas / ISM · Molecular gas

ADS

DOI

arXiv

PDF arXiv

**VizieR Online Data Catalog: APEX spectra of Centaurus A (Salome+, 2016)**  
Salomé, Q., Salome, P., Combes, F., Hamer, S.  
**VizieR Online Data Catalog** · **C0** · **R0**  
Galaxies / evolution · Radio

ADS

DOI

**Atomic-to-molecular gas phase transition triggered by the radio jet in Centaurus A**  
Salomé, Q., Salomé, P., Combes, F., Hamer, S.  
**Astronomy and Astrophysics** · **C27** · **R202**  
Star formation · Feedback / winds / shocks · AGN / quasars · MUSE · Gas / ISM · HI / neutral gas · Molecular gas

ADS

DOI

arXiv

PDF arXiv

**Star formation efficiency along the radio jet in Centaurus A (Corrigendum)**  
Salomé, Q., Salomé, P., Combes, F., Hamer, S. et al.  
**Astronomy and Astrophysics** · **C0** · **R0**  
Star formation

ADS

DOI

**HST imaging of the dusty filaments and nucleus swirl in NGC4696 at the centre of the Centaurus Cluster**  
Fabian, A. C., Walker, S. A., Russell, H. R., Pinto, C. et al.  
**Monthly Notices of the Royal Astronomical Society** · **C36** · **R258**  
Black holes · Clusters / groups · Feedback / winds / shocks · AGN / quasars

ADS

DOI

arXiv

PDF arXiv

**Optical emission line nebulae in galaxy cluster cores 1: the morphological, kinematic and spectral properties of the sample**  
Hamer, S. L., Edge, A. C., Swinbank, A. M., Wilman, R. J. et al.  
**Monthly Notices of the Royal Astronomical Society** · **C91** · **R220**  
Cosmology · Clusters / groups · Feedback / winds / shocks · AGN / quasars · Kinematics · Ionised gas

ADS

DOI

arXiv

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# 2016 · continued

**Cold, clumpy accretion onto an active supermassive black hole**

Tremblay, Grant R., Oonk, J. B. Raymond, Combes, Françoise, Salomé, Philippe et al.

**Nature · C170 · R300 · SELECTED**

Black holes · Star formation · AGN / quasars · HI / neutral gas · Simulations / numerical methods

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**ALMA observations of cold molecular gas filaments trailing rising radio bubbles in PKS 0745-191**

Russell, H. R., McNamara, B. R., Fabian, A. C., Nulsen, P. E. J. et al.

**Monthly Notices of the Royal Astronomical Society · C87 · R172**

Star formation · ALMA · Spirals / morphology · Kinematics · Molecular gas · X-rays

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[PDF arXiv](#)

**The overmassive black hole in NGC 1277: new constraints from molecular gas kinematics**

Scharwächter, J., Combes, F., Salomé, P., Sun, M. et al.

**Monthly Notices of the Royal Astronomical Society · C23 · R155**

Black holes · Star formation · AGN / quasars · Spirals / morphology · Kinematics · Molecular gas · X-rays

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**VizieR Online Data Catalog: BCG high radio-frequency properties (Hogan+, 2015)**

Hogan, M. T., Edge, A. C., Geach, J. E., Grainge, K. J. B. et al.

**VizieR Online Data Catalog · C0 · R0**

X-rays

[ADS](#)

**Star formation efficiency along the radio jet in Centaurus A**

Salomé, Q., Salomé, P., Combes, F., Hamer, S. et al.

**Astronomy and Astrophysics · C44 · R140 · SELECTED**

Star formation · Feedback / winds / shocks · AGN / quasars · ALMA · Quenching · MUSE · HI / neutral gas · Molecular gas

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2015

2015

11 publications · 885 cumulative citations · 1173 ADS reads

Star formation efficiency in the outer filaments of Centaurus A

Salomé, Q., Salomé, P., Combes, F., Hamer, S. et al.

SF2A-2015: Proceedings of the Annual meeting of the French Society of Astronomy and Astrophysics · C0 · R0

Star formation · ALMA · MUSE · Molecular gas

AGN feedback and jet-induced star formation

Salomé, Q., Salomé, P., Combes, F., Hamer, S.

SF2A-2015: Proceedings of the Annual meeting of the French Society of Astronomy and Astrophysics · C0 · R0

Star formation · Feedback / winds / shocks · AGN / quasars · Spirals / morphology · Radio

Ram pressure stripping in the Virgo Cluster

Verdugo, C., Combes, F., Dasyra, K., Salomé, P. et al.

Astronomy and Astrophysics · C48 · R124 · SELECTED

Clusters / groups · Star formation · Ionised gas · Gas / ISM · Molecular gas

High radio-frequency properties and variability of brightest cluster galaxies

Hogan, M. T., Edge, A. C., Geach, J. E., Grainge, K. J. B. et al.

Monthly Notices of the Royal Astronomical Society · C48 · R186

X-rays · Radio

Far-ultraviolet morphology of star-forming filaments in cool core brightest cluster galaxies

Tremblay, G. R., O'Dea, C. P., Baum, S. A., Mittal, R. et al.

Monthly Notices of the Royal Astronomical Society · C75 · R156

Clusters / groups · Star formation · AGN / quasars · Outflows · Ionised gas · X-rays · Simulations / numerical methods

Direct Observations of an Extragalactic Advection Dominated Accretion Flow

Hogan, M., Edge, A., Salome, P., Combes, F. et al.

The Extremes of Black Hole Accretion · C0 · R0

Black holes · Feedback / winds / shocks · AGN / quasars · ALMA · Molecular gas

NenUFAR: Instrument description and science case

Zarka, P., Tagger, M., Denis, L., Girard, J. N. et al.

2015 International Conference on Antenna Theory and Techniques (ICATT) · C2 · R1

Radio

MUSE discovers perpendicular arcs in the inner filament of Centaurus A

Hamer, S., Salomé, P., Combes, F., Salomé, Q.

Astronomy and Astrophysics · C15 · R196

Clusters / groups · Star formation · Feedback / winds / shocks · AGN / quasars · Kinematics · MUSE · Gas / ISM

2015 · continued

Jet-induced star formation in 3C 285 and Minkowski's Object

Salomé, Q., Salomé, P., Combes, F.

Astronomy and Astrophysics · C71 · R149 · SELECTED

Star formation · Feedback / winds / shocks · AGN / quasars · Outflows · Spirals / morphology · Kinematics · Molecular gas · Radio

ADS

DOI

arXiv

PDF arXiv

Combined CO and Dust Scaling Relations of Depletion Time and Molecular Gas Fractions with Cosmic Time, Specific Star-formation Rate, and Stellar Mass

Genzel, R., Tacconi, L. J., Lutz, D., Saintonge, A. et al.

The Astrophysical Journal · C584 · R244

Star formation · Kinematics · Molecular gas · High redshift

ADS

DOI

arXiv

PDF arXiv

Cold gas in group-dominant elliptical galaxies

O'Sullivan, E., Combes, F., Hamer, S., Salomé, P. et al.

Astronomy and Astrophysics · C42 · R117

Star formation · Kinematics · Molecular gas · Radio

ADS

DOI

arXiv

PDF arXiv

2014

2014

12 publications · 394 cumulative citations · 825 ADS reads

High-redshift star formation efficiency as uncovered by the IRAM PHIBSS programs

Freundlich, J., Salomé, P., Combes, F., Tacconi, L. et al.

SF2A-2014: Proceedings of the Annual meeting of the French Society of Astronomy and Astrophysics · C1 · R1

Galaxies / evolution · Star formation · ALMA · Quenching · Gas / ISM · Molecular gas · High redshift

ADS

3C 285: a nearby galaxy with jet-induced star formation

Salomé, Q., Salomé, P., Combes, F.

SF2A-2014: Proceedings of the Annual meeting of the French Society of Astronomy and Astrophysics · C0 · R0

Star formation · Feedback / winds / shocks · AGN / quasars · Spirals / morphology

ADS

VizieR Online Data Catalog: Group-dominant elliptical galaxies CO spectra (O'Sullivan+, 2015)

O'Sullivan, E., Combes, F., Hamer, S., Salome, P. et al.

VizieR Online Data Catalog · C0 · R0

Molecular gas

ADS  
DOI

Molecular Gas in the X-Ray Bright Group NGC 5044 as Revealed by ALMA

David, Laurence P., Lim, Jeremy, Forman, William, Vrtilek, Jan et al.

The Astrophysical Journal · C87 · R161

Star formation · ALMA · Kinematics · Gas / ISM · Molecular gas · X-rays

ADS  
DOI  
arXiv  
PDF arXiv

Distributed heating and disruption of a cool core through gas sloshing: Abell 3581

Canning, Rebecca, Sun, Ming, Sanders, Jeremy, Clarke, Tracy E. et al.

AAS/High Energy Astrophysics Division #14 · C0 · R0

Clusters / groups · Feedback / winds / shocks · AGN / quasars · X-rays

ADS

Molecular Gas in the Cooling Flow Group NGC 5044 as Revealed by ALMA

David, Laurence P., Lim, Jeremy, Forman, William R., Vrtilek, Jan M. et al.

American Astronomical Society Meeting Abstracts #224 · C1 · R0

Star formation · AGN / quasars · ALMA · Molecular gas · X-rays

ADS

Heating of the molecular gas in the massive outflow of the local ultraluminous-infrared and radio-loud galaxy 4C12.50

Dasyra, K. M., Combes, F., Novak, G. S., Bremer, M. et al.

Astronomy and Astrophysics · C42 · R156

Cosmology · Star formation · Outflows · Molecular gas · High redshift

ADS  
DOI  
arXiv  
PDF arXiv

High density tracers in Centaurus A outer filaments

Salomé, Quentin, Combes, Francoise, Salomé, Philippe

ATNF Proposal · C0 · R0

Star formation · Molecular gas

ADS

2014 · continued

A 10<sup>10</sup> Solar Mass Flow of Molecular Gas in the A1835 Brightest Cluster Galaxy

McNamara, B. R., Russell, H. R., Nulsen, P. E. J., Edge, A. C. et al.

The Astrophysical Journal · C133 · R134

Cosmology · Star formation · Feedback / winds / shocks · AGN / quasars · ALMA · Outflows · Gas / ISM · Molecular gas · X-rays

- ADS
- DOI
- arXiv
- PDF arXiv

Massive Molecular Gas Flows in the A1664 Brightest Cluster Galaxy

Russell, H. R., McNamara, B. R., Edge, A. C., Nulsen, P. E. J. et al.

The Astrophysical Journal · C79 · R156

Cosmology · Star formation · AGN / quasars · ALMA · Outflows · Kinematics · Gas / ISM · Molecular gas

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- PDF arXiv

A 10<sup>10</sup> Solar Mass Flow of Molecular Gas in the Abell 1835 Brightest Cluster Galaxy

McNamara, B. R., Russell, H. R., Nulsen, P. E. J., Edge, A. C. et al.

arXiv e-prints · C4 · R102

Star formation · Feedback / winds / shocks · AGN / quasars · ALMA · Outflows · Molecular gas

- ADS
- DOI
- arXiv
- PDF arXiv

Cold gas dynamics in Hydra-A: evidence for a rotating disc

Hamer, S. L., Edge, A. C., Swinbank, A. M., Oonk, J. B. R. et al.

Monthly Notices of the Royal Astronomical Society · C47 · R115

Black holes · Cosmology · Clusters / groups · Star formation · Feedback / winds / shocks · AGN / quasars · Quenching · Kinematics · Molecular gas · X-rays

- ADS
- DOI
- arXiv
- PDF arXiv

2013 8 publications · 68 cumulative citations · 576 ADS reads

**A multiwavelength view of cooling versus AGN heating in the X-ray luminous cool-core of Abell 3581**

Canning, R. E. A., Sun, M., Sanders, J. S., Clarke, T. E. et al.

**Monthly Notices of the Royal Astronomical Society · C41 · R207**

Black holes · Cosmology · Clusters / groups · Star formation · Feedback / winds / shocks · AGN / quasars · Outflows · Ionised gas · Gas / ISM · X-rays

ADS

DOI

arXiv

PDF arXiv

**The nature of the H<sub>2</sub>-emitting gas in the Crab nebula**

Richardson, C. T., Baldwin, J. A., Ferland, G. J., Loh, E. D. et al.

**Monthly Notices of the Royal Astronomical Society · C19 · R200**

Gas / ISM · HI / neutral gas · Molecular gas · High redshift · Simulations / numerical methods

ADS

DOI

arXiv

PDF arXiv

**Resolving the molecular gas around the lensed quasar RXJ0911.4+0551**

Anh, P. T., Boone, F., Hoai, D. T., Nhung, P. T. et al.

**Astronomy and Astrophysics · C8 · R169**

Cosmology · Gravitational lensing · AGN / quasars · Kinematics · Molecular gas

ADS

DOI

arXiv

PDF arXiv

**Linking the radio and X-ray of AGN in cluster cores**

Edge, Alastair, Sadler, Elaine, Combes, Francoise, Mahony, Elizabeth et al.

**ATNF Proposal · C0 · R0**

Black holes · Feedback / winds / shocks · AGN / quasars · Molecular gas · X-rays

ADS

**Molecular gas in galaxies: much more than just the fuel of star formation**

Nesvadba, Nicole, Boulanger, Francois, Herrera, Cinthya, Guillard, Pierre et al.

**Molecular Gas, Dust, and Star Formation in Galaxies · C0 · R0**

Galaxies / evolution · Star formation · Feedback / winds / shocks · AGN / quasars · Molecular gas · Radio

ADS

DOI

**Gaseous Outflows in Cluster Cores (Including ALMA Results)**

McNamara, B., Russell, H., Ma, C. J., Kirkpatrick, C. et al.

**SnowCLUSTER 2013, Physics of Galaxy Clusters · C0 · R0**

ALMA · Outflows

ADS

**Brightest Cluster Galaxies & Cooling Flows**

Salomé, Philippe

**Molecular Gas, Dust, and Star Formation in Galaxies · C0 · R0**

Galaxies / evolution · Feedback / winds / shocks · ALMA · HI / neutral gas

ADS

DOI

**Plasma Simulations of the H2 Emitting Gas in the Crab Nebula**

Richardson, Chris T., Baldwin, J. A., Ferland, G. J., Loh, E. D. et al.

**American Astronomical Society Meeting Abstracts #221 · C0 · R0**

Feedback / winds / shocks · HI / neutral gas · Molecular gas · Simulations / numerical methods

ADS

2012

2012

11 publications · 228 cumulative citations · 1071 ADS reads

Tools for teaching radio-astronomy

Salomé, P., Radiguet, A., Albert, B., Batrunga, M. et al.

SF2A-2012: Proceedings of the Annual meeting of the French Society of Astronomy and Astrophysics · C0 · R0

ALMA · Kinematics

Connecting classrooms to the Milky Way

Salomé, P., Radiguet, A., Albert, B., Batrunga, M. et al.

SF2A-2012: Proceedings of the Annual meeting of the French Society of Astronomy and Astrophysics · C0 · R0

ALMA · Kinematics · Radio

Herschel observations of extended atomic gas in the core of the Perseus cluster

Mittal, Rupal, Oonk, J. B. Raymond, Ferland, Gary J., Edge, Alastair C. et al.

Monthly Notices of the Royal Astronomical Society · C47 · R126

Cosmology · Clusters / groups · Star formation · AGN / quasars · Kinematics · PDR · Gas / ISM · HI / neutral gas · Simulations / numerical methods

BR1202-0725: an extreme multiple merger at z = 4.7

Salomé, P., Guélin, M., Downes, D., Cox, P. et al.

Astronomy and Astrophysics · C51 · R173 · SELECTED

Cosmology · Gravitational lensing · AGN / quasars · ALMA · Kinematics · High redshift

Residual cooling and persistent star formation amid active galactic nucleus feedback in Abell 2597

Tremblay, G. R., O'Dea, C. P., Baum, S. A., Clarke, T. E. et al.

Monthly Notices of the Royal Astronomical Society · C27 · R182

Cosmology · Clusters / groups · Star formation · Feedback / winds / shocks · AGN / quasars · Kinematics · Molecular gas · X-rays

Multiphase signatures of active galactic nucleus feedback in Abell 2597

Tremblay, G. R., O'Dea, C. P., Baum, S. A., Clarke, T. E. et al.

Monthly Notices of the Royal Astronomical Society · C27 · R162

Cosmology · Clusters / groups · Star formation · Feedback / winds / shocks · AGN / quasars · X-rays

The Nature of the H2 Emitting Gas in the Crab Nebula

Richardson, Chris T., Baldwin, J. A., Ferland, G. J., Loh, E. D. et al.

American Astronomical Society Meeting Abstracts #220 · C0 · R0

Molecular gas · Simulations / numerical methods

The relation between line emission and brightest cluster galaxies in three exceptional clusters: evidence for gas cooling from the intracluster medium

Hamer, S. L., Edge, A. C., Swinbank, A. M., Wilman, R. J. et al.

Monthly Notices of the Royal Astronomical Society · C43 · R129

Cosmology · Clusters / groups · Molecular gas · X-rays

ADS

DOI

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ADS

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ADS

DOI

arXiv

PDF arXiv

ADS

DOI

arXiv

PDF arXiv

ADS

DOI

arXiv

PDF arXiv

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DOI

arXiv

PDF arXiv

2012 · continued

Survival of molecular gas in Virgo's hot intracluster medium: CO near M 86

Dasyra, K. M., Combes, F., Salomé, P., Braine, J.

Astronomy and Astrophysics · C15 · R145

Cosmology · Clusters / groups · Star formation · Kinematics · Gas / ISM · HI / neutral gas · Molecular gas

ADS

DOI

arXiv

PDF arXiv

H<sub>2</sub> temperatures in the Crab Nebula

Loh, E. D., Baldwin, J. A., Ferland, G. J., Curtis, Z. K. et al.

Monthly Notices of the Royal Astronomical Society · C18 · R154

Clusters / groups · Ionised gas · Gas / ISM · Molecular gas

ADS

DOI

arXiv

PDF arXiv

The Molecular Content of the Crab Nebula

Kuehn, Charles A., Loh, E. D., Baldwin, J. A., Ferland, G. J. et al.

American Astronomical Society Meeting Abstracts #219 · C0 · R0

HI / neutral gas · Molecular gas · Simulations / numerical methods

ADS

2011

2011

6 publications · 415 cumulative citations · 1041 ADS reads

**Herschel observations of the Centaurus cluster - the dynamics of cold gas in a cool core**  
Mittal, R., O'Dea, C. P., Ferland, G., Oonk, J. B. R. et al.  
**Monthly Notices of the Royal Astronomical Society · C50 · R219**  
Cosmology · Clusters / groups · Star formation · Feedback / winds / shocks · Kinematics · PDR · Gas / ISM · High-energy astrophysics · X-rays

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[DOI](#)  
[arXiv](#)  
[PDF arXiv](#)

**Dense gas without star formation: the kpc-sized turbulent molecular disk in 3C 326 N**  
Nesvadba, N. P. H., Boulanger, F., Lehnert, M. D., Guillard, P. et al.  
**Astronomy and Astrophysics · C54 · R156 · SELECTED**  
Cosmology · Star formation · Feedback / winds / shocks · AGN / quasars · Gas / ISM · HI / neutral gas · Molecular gas · Radio

[ADS](#)  
[DOI](#)  
[arXiv](#)  
[PDF arXiv](#)

**A wide Chandra view of the core of the Perseus cluster**  
Fabian, A. C., Sanders, J. S., Allen, S. W., Canning, R. E. A. et al.  
**Monthly Notices of the Royal Astronomical Society · C150 · R163**  
Cosmology · Clusters / groups · X-rays

[ADS](#)  
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[arXiv](#)  
[PDF arXiv](#)

**The long-term millimeter activity of active galactic nuclei**  
Trippe, S., Krips, M., Piétu, V., Neri, R. et al.  
**Astronomy and Astrophysics · C28 · R184**  
Cosmology · AGN / quasars · Outflows · Quenching

[ADS](#)  
[DOI](#)  
[arXiv](#)  
[PDF arXiv](#)

**A very extended molecular web around NGC 1275**  
Salomé, P., Combes, F., Revaz, Y., Downes, D. et al.  
**Astronomy and Astrophysics · C110 · R155 · SELECTED**  
Cosmology · Feedback / winds / shocks · AGN / quasars · Kinematics · Gas / ISM · Molecular gas · X-rays · Simulations / numerical methods

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[DOI](#)  
[arXiv](#)  
[PDF arXiv](#)

**A Survey of Molecular Hydrogen in the Crab Nebula**  
Loh, E. D., Baldwin, J. A., Curtis, Z. K., Ferland, G. J. et al.  
**The Astrophysical Journal Supplement Series · C23 · R164**  
Gas / ISM · Molecular gas

[ADS](#)  
[DOI](#)  
[arXiv](#)  
[PDF arXiv](#)

2010

2010

6 publications · 264 cumulative citations · 574 ADS reads

Discovery of an extremely bright submillimeter galaxy at  $z = 3.93$

Lestrade, J.-F., Combes, F., Salomé, P., Omont, A. et al.

Astronomy and Astrophysics · C35 · R131

Cosmology · AGN / quasars · Gas / ISM · High redshift

ADS

DOI

arXiv

PDF arXiv

The compact cores of central cluster galaxies

Edge, Alastair, Sadler, Elaine, Salome, Philippe, Hatch, Nina et al.

ATNF Proposal · C0 · R0

AGN / quasars · High redshift

ADS

Energetics of the molecular gas in the  $H_2$  luminous radio galaxy 3C 326: Evidence for negative AGN feedback

Nesvadba, N. P. H., Boulanger, F., Salomé, P., Guillard, P. et al.

Astronomy and Astrophysics · C137 · R139 · SELECTED

Cosmology · Star formation · Feedback / winds / shocks · AGN / quasars · Outflows · Gas / ISM · Molecular gas · Radio

ADS

DOI

arXiv

PDF arXiv

Herschel photometry of brightest cluster galaxies in cooling flow clusters

Edge, A. C., Oonk, J. B. R., Mittal, R., Allen, S. W. et al.

Astronomy and Astrophysics · C51 · R166

Cosmology · Clusters / groups

ADS

DOI

arXiv

PDF arXiv

Herschel observations of FIR emission lines in brightest cluster galaxies

Edge, A. C., Oonk, J. B. R., Mittal, R., Allen, S. W. et al.

Astronomy and Astrophysics · C41 · R138

Cosmology · Clusters / groups · Star formation · Molecular gas

ADS

DOI

arXiv

PDF arXiv

Constraining the Cold Gas and Dust in Cluster Cooling Flows

O'Dea, Christopher P., Edge, A., Hamer, S., Fabian, A. et al.

American Astronomical Society Meeting Abstracts #215 · C0 · R0

Clusters / groups · Star formation · Feedback / winds / shocks · AGN / quasars · Molecular gas · High redshift · X-rays · Simulations / numerical methods

ADS

2008 6 publications · 254 cumulative citations · 430 ADS reads

**Search for cold gas along radio lobes in the cooling core galaxies MS0735.6+7421 and M87**

Salomé, P., Combes, F.

**Astronomy and Astrophysics · C19 · R77**

Cosmology · Feedback / winds / shocks · AGN / quasars · Molecular gas

[ADS](#)[DOI](#)[arXiv](#)[PDF arXiv](#)

**How does the radio source in a cluster core affect the host galaxy?**

Edge, Alastair, Sadler, Elaine, Salome, Philippe, Hatch, Nina et al.

**ATNF Proposal · C0 · R0**

Galaxies / evolution · Radio

[ADS](#)

**Observations of CO in the eastern filaments of NGC 1275**

Salomé, P., Revaz, Y., Combes, F., Pety, J. et al.

**Astronomy and Astrophysics · C37 · R117**

Star formation · Feedback / winds / shocks · AGN / quasars · Kinematics · Gas / ISM · Molecular gas

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**Cold gas in the Perseus cluster core: excitation of molecular gas in filaments**

Salomé, P., Combes, F., Revaz, Y., Edge, A. C. et al.

**Astronomy and Astrophysics · C81 · R113 · SELECTED**

Clusters / groups · Kinematics · Molecular gas

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**A search for CO in cluster cooling flows**

Edge, Alastair, Feain, Ilana, Wilman, Richard, Salome, Philippe et al.

**ATNF Proposal · C0 · R0**

Black holes · Feedback / winds / shocks · AGN / quasars · Molecular gas · High redshift · X-rays

[ADS](#)

**Formation of cold filaments in cooling flow clusters**

Revaz, Y., Combes, F., Salomé, P.

**Astronomy and Astrophysics · C117 · R123 · SELECTED**

Feedback / winds / shocks · AGN / quasars · Kinematics · Molecular gas · Simulations / numerical methods

[ADS](#)[DOI](#)[arXiv](#)[PDF arXiv](#)

2007

2007

2 publications · 54 cumulative citations · 86 ADS reads

**Detection of HNC and tentative detection of CN at  $z = 3.9$**

Guélin, M., Salomé, P., Neri, R., García-Burillo, S. et al.

**Astronomy and Astrophysics · C54 · R86 · SELECTED**

Cosmology · Galaxies / evolution · AGN / quasars · Ionised gas · Molecular gas · High redshift

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**Observing the Cold Molecular Gas in Cooling Flow Clusters**

Salomé, P., Combes, F., Revaz, Y.

**Heating versus Cooling in Galaxies and Clusters of Galaxies · C0 · R0**

Molecular gas

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[DOI](#)

2006

2006

4 publications · 214 cumulative citations · 307 ADS reads

**Formation of cold molecular filaments in cooling flow clusters**  
Revaz, Yves, Combes, Francoise, Salome, Philippe  
**arXiv e-prints · C0 · R103**  
Feedback / winds / shocks · AGN / quasars · Molecular gas · Simulations / numerical methods

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[DOI](#)

**Cold molecular gas in the Perseus cluster core. Association with X-ray cavity, H $\alpha$  filaments and cooling flow**  
Salomé, P., Combes, F., Edge, A. C., Crawford, C. et al.  
**Astronomy and Astrophysics · C212 · R115 · SELECTED**  
Clusters / groups · Star formation · AGN / quasars · Kinematics · Ionised gas · Molecular gas · X-rays

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[DOI](#)

**Cold molecular filaments around the cooling flows galaxy NGC1275**  
Salome, P., Combes, F.  
**SF2A-2006: Semaine de l'Astrophysique Francaise · C1 · R0**  
Molecular gas

[ADS](#)

**CO(2-1) large scale mapping of the Perseus cluster core with HERA**  
Salomé, Philippe, Combes, Francoise  
**arXiv e-prints · C1 · R89**  
Clusters / groups · Molecular gas

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[DOI](#)

2005

2005

2 publications · 1 cumulative citations · 0 ADS reads

CO(2-1) large scale mapping of the Perseus cluster core with HERA

Salome, P., Combes, F.

SF2A-2005: Semaine de l'Astrophysique Francaise · C0 · R0

Clusters / groups · Molecular gas

ADS

Cold molecular gas in cooling flow clusters of galaxies

Salome, P., Combes, F.

ESA Special Publication · C1 · R0

Black holes · Galaxies / evolution · Clusters / groups · AGN / quasars · Molecular gas · X-rays

ADS

2004 6 publications · 63 cumulative citations · 281 ADS reads

**Molecular gas maps of the RXJ0821+07 cluster core**

Salomé, P., Combes, F.

**SF2A-2004: Semaine de l'Astrophysique Francaise · C2 · R0**

Molecular gas

ADS

**Cold molecular gas in cooling flows**

Salomé, P., Combes, F.

**SF2A-2004: Semaine de l'Astrophysique Francaise · C0 · R0**

Molecular gas · X-rays

ADS

**Are dust shell models well-suited to explain interferometric data of late-type stars in the near-infrared?**

Schuller, P., Salomé, P., Perrin, G., Mennesson, B. et al.

**Astronomy and Astrophysics · C15 · R96**

General astrophysics

ADS

DOI

**Mapping the cold molecular gas in a cooling flow cluster: Abell 1795**

Salomé, P., Combes, F.

**Astronomy and Astrophysics · C46 · R109 · SELECTED**

Star formation · Kinematics · Molecular gas · X-rays

ADS

DOI

**Cold Molecular Gas in Abell 1795**

Salomé, P., Combes, F.

**The Riddle of Cooling Flows in Galaxies and Clusters of galaxies · C0 · R0**

Clusters / groups · Star formation · Kinematics · Molecular gas · X-rays

ADS

**CO Emission Associated with a Cooling Flow**

Combes, F., Salomé, P.

**The Dense Interstellar Medium in Galaxies · C0 · R76**

Clusters / groups · Feedback / winds / shocks · AGN / quasars · Molecular gas · X-rays

ADS

DOI

2003

2003

3 publications · 226 cumulative citations · 108 ADS reads

Cold molecular gas in cooling flow clusters of galaxies

Salomé, P., Combes, F.

Astronomy and Astrophysics · C226 · R108 · SELECTED

Gas / ISM · Molecular gas

ADS

DOI

VizieR Online Data Catalog: CO in cooling flow of clusters of galaxies (Salome+, 2003)

Salome, P., Combes, F.

VizieR Online Data Catalog · C0 · R0

Molecular gas

ADS

DOI

Mapping cold molecular gas in Abell 1795

Salomé, P., Combes, F.

SF2A-2003: Semaine de l'Astrophysique Francaise · C0 · R0

Star formation · Molecular gas

ADS

2002

2002

3 publications · 111 cumulative citations · 2 ADS reads

L'-Band Interferometric Observations of Evolved Stars

Chagnon, G., Mennesson, B., Perrin, G., Coudé du Foresto, V. et al.

The Astronomical Journal · C23 · R0

CMB

ADS

DOI

Evidence for Very Extended Gaseous Layers around O-rich Mira Variables and M Giants

Mennesson, B., Perrin, G., Chagnon, G., du Coudé Foresto, Vincent et al.

The Astrophysical Journal · C88 · R2

Molecular gas

ADS

DOI

Detection of cold molecular gas in central cluster galaxies

Salome, P., Combes, P.

SF2A-2002: Semaine de l'Astrophysique Francaise · C0 · R0

Molecular gas · X-rays

ADS