

## 2003: PUBLICATIONS WITH IRAM STAFF MEMBERS AS (CO-)AUTHORS

- 970.** STRUCTURE OF THE DM TAU OUTER DISK: PROBING THE VERTICAL KINETIC TEMPERATURE GRADIENT  
E. Dartois, A. Dutrey, S. Guilloteau  
2003, A&A 399, 773
- 971.** DUST EMISSION FROM YOUNG OUTFLOWS: THE CASE OF L1157  
F. Gueth, R. Bachiller, M. Tafalla  
2003, A&A 401, L5
- 972.** CO EMISSION AND ASSOCIATED HI ABSORPTION FROM A MASSIVE GAS RESERVOIR SURROUNDING THE  $z = 3$  RADIO GALAXY B3 J2330+3927  
C. de Breuck, R. Neri et al.  
2003, A&A 401, 911
- 973.** OPTICAL AND RADIO BEHAVIOUR OF THE BL LACERTA OBJECT 0716+714  
C.M. Raiaeteri, H. Ungerechts, U. Lisenfeld et al.  
2003, A&A 402, 151
- 974.** PRODUCTION AND KINEMATICS OF CO IN COMET C/1995 01 (HALE-BOPP) AT LARGE POST-PERHELION DISTANCES  
M. Gunnarsson, D. Bockelée-Morvan, R. Moreno, G. Paubert et al.  
2003, A&A 402, 383
- 975.** THE BP TAU DISK: A MISSING LINK BETWEEN CLASS II AND III OBJECTS?  
A. Dutrey, S. Guilloteau, M. Simon  
2003, A&A 402, 1003
- 976.** DENSE GAS IN NEARBY GALAXIES XV. Hot Ammonia in NGC 253, Maffei 2 and IC 342  
R. Mauersberger, C. Henkel, A. Weiss, A.B. Peck, Y. Hagiwara  
2003, A&A 403, 561
- 977.** A STUDY OF  $\lambda$  BOOTIS TYPE STARS IN THE WAVELENGTH REGION BEYOND 7000 Å  
E. Paunzen, I. Kamp, W.W. Weiss, H. Wiesemeyer  
2003, A&A 404, 579
- 978.** A MULTIWAVELENGTH STUDY OF THE S106 REGION  
II. Characteristics of the photon dominated region  
N. Schneider, R. Simon, C. Kramer, K. Kraemer, J. Stutzki, B. Mookerjea  
2003, A&A 406, 915
- 979.** DUST EMISSION FROM THE MOST DISTANT QUASARS  
F. Bertoldi, C.L. Carilli, P. Cox, X. Fan, M.A. Strauss, A. Beelen, A. Omont, R. Zylka  
2003, A&A 406, L55
- 980.** SELF-CONSISTENT MODELING OF THE OUTFLOW FROM THE O-RICH MIRA IRC -20197  
K.S. Jeong, J.M. Winters, T. Le Bertre, E. Sedlmayr  
2003, A&A 407, 191
- 981.** MOLECULAR GAS IN NUCLEI OF GALAXIES (NUGA)  
I. The counter-rotating LINER NGC 4826  
S. García-Burillo, F. Combes, L.K. Hunt, F. Boone, A.J. Baker, L.J. Tacconi, A. Eckart, R. Neri, S. Leon, E. Schinnerer, P. Englmaier  
2003, A&A 407, 485
- 982.** THE LINE-OF-SIGHT DISTRIBUTION OF THE GAS IN THE INNER 60 PC OF THE GALAXY  
B. Vollmer, R. Zylka, W.J. Duschl  
2003, A&A 407, 515
- 983.** TRIGGERED MASSIVE-STAR FORMATION AT THE BORDER OF THE HII REGION SH 104  
L. Deharveng, B. Lefloch, A. Zavagno, J. Caplan, A.P. Whitworth, D. Nadeau, S. Martín  
2003, A&A 408, L25

- 984.** SIMBA OBSERVATIONS OF THE R CORONA AUSTRALIS MOLECULAR CLOUD  
R. Chini, K. Kämpgen, B. Reipurth, M. Albrecht, E. Kreysa, R. Lemke, M. Nielbock, L.A. Reichertz, A. Sievers, R. Zylka  
2003, A&A 409, 235
- 985.** GAS AND DUST IN THE CLOVERLEAF QUASAR AT REDSHIFT 2.5  
A. Weiss, C. Henkel, D. Downes, F. Walter  
2003, A&A 409, L41
- 986.** HIGH-EXCITATION CO IN A QUASAR HOST GALAXY AT  $z = 6.42$   
F. Bertoldi, P. Cox, R. Neri, C.L. Carilli, F. Walter, A. Omont, A. Beelen, C. Henkel, X. Fan, M.A. Strauss, K.M. Menten  
2003, A&A 409, L47
- 987.** DETECTION OF AN ORBITING GAS DISK IN THE RED RECTANGLE  
V. Bujarrabal, R. Neri, J. Alcolea, C. Kahane  
2003, A&A 409, 573
- 988.** FIRST DETECTIONS OF EXTRAGALACTIC SO<sub>2</sub>, NS AND NO  
S. Martín, R. Mauersberger, J. Martín-Pintado, S. García-Burillo, C. Henkel  
2003, A&A 411, L465
- 989.** NON-GAUSSIAN VELOCITY SHEARS IN THE ENVIRONMENT OF LOW MASS DENSE CORES  
J. Pety, E. Falgarone  
2003, A&A 412, 417
- 990.** MOLECULAR GAS AND DUST AT  $z=2.6$  IN SMM J14011+0252: A STRONGLY LENSED ULTRALUMINOUS GALAXY, NOT A HUGE MASSIVE DISK  
D. Downes, P.M. Solomon  
2003, ApJ 582, 37
- 991.** SPATIALLY RESOLVED MILLIMETER INTERFEROMETRY OF SMM J02399-0136: A VERY MASSIVE GALAXY AT  $z = 2.8$   
R. Genzel, A.J. Baker, L.J. Tacconi, D. Lutz, P. Cox, S. Guilloteau, A. Omont  
2003, ApJ 584, 633
- 992.** INTERFEROMETRIC OBSERVATIONS OF POWERFUL CO EMISSION FROM THREE SUBMILLIMETER GALAXIES AT  $z = 2.39, 2.51, \text{ AND } 3.35$   
R. Neri, R. Genzel, R.J. Ivison, F. Bertoldi, A.W. Blain, S.C. Chapman, P. Cox, T.R. Greve, A. Omont, D.T. Frayer  
2003, ApJ 597, L113
- 993.** FIRST EVIDENCE OF DUSTY DISKS AROUND HERBIG BE STARS  
A. Fuente, A. Rodríguez-Franco, L. Testi, A. Natta, R. Bachiller, R. Neri  
2003, ApJ 598, L39
- 994.** THE OPACITY OF NEARBY GALAXIES FROM COUNTS OF BACKGROUND GALAXIES. II. LIMITS OF THE SYNTHETIC FIELD METHOD  
R.A. González, L. Loinard, R.J. Allen, S. Muller  
2003, ApJ 125, 1182
- 995.** MOLECULAR GAS IN THE HOST GALAXY OF A QUASAR AT REDSHIFT  $z=6.42$   
F. Walter, F. Bertoldi, C. Carilli, P. Cox, K.Y. Lo, R. Neri, X. Fan, A. Omont, M. Strauss, K.M. Menten  
2003, Nature 424, 406
- 996.** THE ESSENTIAL SIGNATURE OF A MASSIVE STARBURST IN A DISTANT GALAXY  
P. Solomon, P. Vanden Bout, C. Carilli, M. Guélin  
2003, Nature 426, 636
- 997.** A HIGH-FREQUENCY AND MULTI-EPOCH VLBI STUDY OF 3C273  
T.P. Krichbaum, D.A. Graham, A. Witzel, J.A. Zensus, A. Greve, M. Grewing, A. Marscher, A.J. Beasley  
2003, in *Particles and Fields in Radio Galaxies*, San Francisco: eds. R.A. Laing, K.M. Blundell  
ASP Conf. Series 250, 184
- 998.** EXTRAGALACTIC AMMONIA  
C. Henkel, K.M. Menten, J. Braatz, R. Mauersberger, A. Weiss, M. Lebrón, A. Tarchi, A.B. Peck, C.L. Carilli, D.A. Lubowich  
2003, in *The Astrochemistry of External Galaxies*  
ed. T.J. Millar

- 999.** PROBING THE NUCLEOSYNTHESIS OF THE YOUNG UNIVERSE: C, N, O AND S ISOTOPIC RATIOS AT REDSHIFT  $z = 0.9$   
S. Muller, M. Guélin  
2003, in *CNO in the Universe*  
eds. C. Charbonnel, D. Schaerer,  
G. Meynet  
ASP Conf. Series 304, 252
- 1000.** STANDING WAVES FOR ALMA: SIMULATIONS OF VARIOUS TANGENT CONES ON THE SUBREFLECTOR  
A. Bacmann, S. Guilloteau  
2003, ALMA Memo 457, NRAO, Socorro  
<http://www.alma.nrao.edu/memos/html-memos/alma457/memo457.pdf>
- 1001.** THE AMPLITUDE CALIBRATION SYSTEM REVISITED  
S. Guilloteau, A. Bacmann  
2003, ALMA Memo 461, NRAO Socorro  
<http://www.alma.nrao.edu/memos/html-memos/alma461/memo461.pdf>
- 1002.** COMPLEMENTARITY OF THE AIPS++, GILDAS AND MIRIAD PACKAGES AS SEEN FROM EVALUATIONS FOR ALMA OFF-LINE DATA PROCESSING  
J. Pety, F. Gueth, S. Guilloteau,  
P. Teuben, M. Wright  
2003, ALMA Memo 464, NRAO, Socorro  
<http://www.alma.nrao.edu/memos/html-memos/alma464/memo464.pdf>
- 1003.** CASE FOR INTEROPERABILITY AS AN ALMA OFF-LINE MODEL  
J. Pety, F. Gueth, S. Guilloteau,  
P. Teuben, M. Wright  
2003, ALMA Memo 465, NRAO, Socorro  
<http://www.alma.nrao.edu/memos/html-memos/alma465/memo465.pdf>
- 1004.** SITE PROPERTIES AND STRINGENCY  
N. Evans, R. Lucas et al.  
2003, ALMA Memo 471, NRAO, Socorro  
<http://www.alma.nrao.edu/memos/html-memos/alma471/memo471.pdf>
- 1005.** AIPS++ REUSE ANALYSIS TEST: Report on Phase I  
A. Kembal, K. Golap, G. Moellenbrock,  
R. Lucas, D. Brogière  
<http://www.alma.nrao.edu/memos/html-memos/alma472/memo472.pdf>
- 1006.** AIPS++ REUSE ANALYSIS TEST: Report on Phase II  
J. Pety, A. Baker, A. Coulais, F. Gueth,  
D. Shepherd, L. Testi, C. Wilson  
<http://www.alma.nrao.edu/memos/html-memos/alma473/memo473.pdf>
- 1007.** IRAM/AIPS++ TEST: Phase III  
R. Lucas, D. Brogière, K. Golap,  
J. McMullin, R. Rusk  
<http://www.alma.nrao.edu/memos/html-memos/alma474/memo474.pdf>
- 1008.** CARACTERISATION DE LA MATIERE INTERSTELLAIRE EXTRAGALACTIQUE  
Propriétés physiques, masse de poussière et masse de gaz moléculaire  
S. Muller  
2003, Thèse, Univ. Joseph Fourier,  
Grenoble I
- 1009.** INVESTIGATING THE CHEMICAL DIVERSITY OF COMETS FROM RADIO OBSERVATIONS  
P. Colom, N. Biver, D. Bockelée-Morvan,  
J. Crovisier, F. Henry, R. Moreno,  
G. Paubert, D. Despois, D.C.Lis  
2003, in *SF2A Scientific Highlights 2003*  
eds. F. Combes, D. Barret, T. Contini,  
L. Pagani  
EDP Sciences, Les Ulis, 140
- 1010.** MOLECULES AND DUST IN EXTERNAL GALAXIES: RECENT RESULTS OBTAINED WITH THE IRAM TELESCOPES  
M. Guélin  
2003, in *SF2A Scientific Highlights 2003*  
eds. F. Combes, D. Barret, T. Contini,  
L. Pagani  
EDP Sciences, Les Ulis, 260
- 1011.** DISTRIBUTION AND PROPERTIES OF MOLECULAR COMPLEXES IN THE ANDROMEDA GALAXY  
S. Muller, M. Guélin  
2003, in *SF2A Scientific Highlights 2003*  
eds. F. Combes, D. Barret, T. Contini,  
L. Pagani  
EDP Sciences, Les Ulis, 260
- 1012.** SiO MASER POLARIZATION IN EVOLVED STARS: MAGNETIC FIELD  
F. Herpin, A. Baudry, C. Thum, D. Morris,  
H. Wiesemeyer  
2003, in *SF2A Scientific Highlights 2003*  
eds. F. Combes, D. Barret, T. Contini,  
L. Pagani  
EDP Sciences, Les Ulis, 524