

## 2002: PUBLICATIONS WITH IRAM STAFF MEMBERS AS (CO-)AUTHORS

- 917.** A SEARCH FOR RADIO SUPERNOVAE AND SUPERNOVA REMNANTS IN THE REGION OF NGC 1569's SUPER STAR CLUSTERS  
A. Greve, A. Tarchi, S. Hüttemeister, R. de Grijs, J.M. van der Hulst, S.T. Garrington, N. Neininger  
2002, A&A 381, 825
- 918.** INFRARED OBSERVATIONS OF NGC 3603  
I. New constraints on cluster radius and K<sub>s</sub>-band luminosity function  
D.E.A. Nürnbergger, M.G. Petr-Gotzens  
2002, A&A 382, 537
- 919.** (SUB)MILLIMETRE EMISSION FROM NGC 1569: AN ABUNDANCE OF VERY SMALL GRAINS  
U. Lisenfeld, F.P. Israel, J.M. Stil, A. Sievers  
2002, A&A 382, 860
- 920.** M 82's STELLAR BAR  
A. Greve, K.A. Wills, N. Neininger, A. Pedlar  
2002, A&A 383, 56
- 921.** A MULTIWAVELENGTH STUDY OF THE S106 REGION  
I. Structure and dynamics of the molecular gas  
N. Schneider, R. Simon, C. Kramer, J. Stutzki, S. Bontemps  
2002, A&A 384, 225
- 922.** COMPARATIVE CHEMISTRY OF DIFFUSE CLOUDS  
III. Sulfur-bearing molecules  
R. Lucas, H.S. Liszt  
2002, A&A 384, 1054
- 923.** A CO SURVEY OF GRAVITATIONALLY LENSED QUASARS WITH THE IRAM INTERFEROMETER  
R. Barvainis, D. Alloin, M. Bremer  
2002, A&A 385, 399
- 924.** THE CRAB NEBULA AT 1.3 MM  
Evidence for a new synchrotron component  
R. Bandiera, R. Neri, R. Cesaroni  
2002, A&A 386, 1044
- 925.** CO AND DUST IN PSS 2322+1944 AT A REDSHIFT OF 4.12  
P. Cox, A. Omont, S.G. Djorgovski, F. Bertoldi, J. Pety, C.L. Carilli, K.G. Isaak, A. Beelen, R.G. McMahon, S. Castro  
2002, A&A 387, 406
- 926.** IRAS 05358+3543: MULTIPLE OUTFLOWS AT THE EARLIEST STAGES OF MASSIVE STAR FORMATION  
H. Beuther, P. Schilke, F. Gueth, M. McCaughrean, M. Andersen, T.K. Sridharan, K.M. Menten  
2002, A&A 387, 931
- 927.** 147 GHz VLBI OBSERVATIONS: DETECTION OF 3C273 AND 3C279 ON THE 3100 KM BASELINE METSÄHOVI – PICO VELETA  
A. Greve, P. Könönen, D.A. Graham... M. Grewing, D. John, S. Navarro, M. Berton  
2002, A&A 390, L19
- 928.** RADIO CONTINUUM OBSERVATIONS OF COMET C/1999 S4 (LINEAR) BEFORE, DURING, AND AFTER BREAK-UP OF ITS NUCLEUS  
W.J. Altenhoff, F. Bertoldi, K.M. Menten, A. Sievers, C. Thum, E. Kreysa  
2002, A&A 391, 353
- 929.** COMPARATIVE CHEMISTRY OF DIFFUSE CLOUDS. IV: CH  
H. Liszt, R. Lucas  
2002, A&A 391, 693

- 930.** COORDINATED THERMAL AND OPTICAL OBSERVATIONS OF TRANS-NEPTUNIAN OBJECT (20 000) VARUNA FROM SIERRA NEVADA  
E. Lellouch, R. Moreno, J.L. Ortiz, G. Paubert,, A. Doressoundiram, N. Peixinho  
2002, A&A 391, 1133
- 931.** THE MOLECULAR ENVIRONMENT OF NGC 3603  
I. Spatial distribution and kinematic structure  
D.E.A. Nürnbergger, L. Bronfman, H.W. Yorke, H. Zinnecker  
2002, A&A 394, 253
- 932.** MORE METAL CYANIDE SPECIES: DETECTION OF AINC ( $X^1\Sigma^+$ ) TOWARD IRC+10216  
L.M. Ziurys, C. Savage, J.L. Highberger, A.J. Apponi, M. Guélin, J. Cernicharo  
2002, ApJ 564, L45
- 933.** DETECTING PLANETS IN PROTOPLANETARY DISKS: A PROSPECTIVE STUDY  
S. Wolf, F. Gueth, T. Henning, W. Kley  
2002, ApJ 566, L97
- 934.** MOLECULAR GAS IN M82: RESOLVING THE OUTFLOW AND STREAMERS  
F. Walter, A. Weiss, N. Scoville  
2002, ApJ 580, L21
- 935.** WIDESPREAD HCO EMISSION IN THE NUCLEAR STARBURST OF M82  
S. García-Burillo, J. Martín-Pintado, A. Fuente, A. Usero, R. Neri  
2002, ApJ 575, L55
- 936.** ON THE HEATING SOURCE OF THE ORION KL HOT CORE  
P. de Vincente, J. Martín-Pintado, R. Neri, A. Rodríguez-Franco  
2002, ApJ 574, L163
- 937.** THE ORIGIN OF WATER VAPOR AND CARBON DIOXIDE IN JUPITER'S STRATOSPHERE  
E. Lellouch, R. Moreno et al.  
2002, Icarus, 159, 112
- 938.** INTEGRATED NIOBIUM THIN FILM AIR BRIDGES AS VARIABLE CAPACITORS FOR GHz TUNING CIRCUITS  
M. Schicke, K.-F. Schuster  
2002, J. Phys. IV France 12, 179  
EDP Sciences, les Ulis
- 939.** ALMA RECEIVER OPTICS DESIGN  
J.W. Lamb, A. Baryshev, M. Carter, L.R. D'Addario, B.N. Ellison, W. Grammer, B. Lazareff, Y. Sekimoto, C.Y. Tham  
2002, ALMA Memo 362, NRAO, Socorro
- 940.** RECEIVER CALIBRATION SCHEMES FOR ALMA  
S. Guilloteau, R. Moreno  
2002, ALMA Memo 371, NRAO, Socorro
- 941.** AN AMPLITUDE CALIBRATION STRATEGY FOR ALMA  
R. Moreno, S. Guilloteau  
2002, ALMA Memo 372, NRAO, Socorro
- 942.** DSB VERSUS SSB AND BANDWIDTH/SENSITIVITY TRADEOFF  
S. Guilloteau  
2002, ALMA Memo 393, NRAO, Socorro
- 943.** THE DUAL-LOAD CALIBRATION DEVICE REVISITED  
S. Guilloteau  
2002, ALMA Memo 422, NRAO, Socorro
- 944.** AN ALMA IMAGING SIMULATOR  
S. Guilloteau, J. Pety, F. Gueth  
2002, in *Integrated Modeling of Telescopes*  
ed. T. Andersen  
SPIE Vol. 4757, 154
- 945.** RADIO TELESCOPES IN PRACTICE: HALFWAY TOWARDS END-TO-END?  
A. Greve  
2002, in *Integrated Modeling of Telescopes*  
ed. T. Andersen  
SPIE Vol. 4757, 174
- 946.** FE MODEL BASED INTERPRETATION OF TELESCOPE TEMPERATURE VARIATIONS  
M. Bremer, J. Peñalver  
2002, in *Integrated Modeling of Telescopes*  
ed. T. Andersen  
SPIE Vol. 4757, 186
- 947.** 1ST GLOBAL MM-VLBI AT 512 Mbit/s  
D.A. Graham, W. Alef, T.P. Krichbaum, A. Greve et al.  
2002, Proc. of 6th European VLBI Network Symposium, 67  
eds. E. Ros et al., MPIfR, Bonn

- 948.** VLBI OBSERVATIONS AT 147 GHz: FIRST DETECTION OF TRANSATLANTIC FRINGES IN BRIGHT AGN  
T.P. Krichbaum, D.A. Graham, A. Alef, A. Greve, M. Grewing et al.  
2002, Proc. of 6th European VLBI Network Symposium, 125  
eds. E. Ros et al., MPIfR, Bonn
- 949.** 2MM WAVELENGTH VLBI OF SiO MASERS AND AGN  
S.S. Doeleman, R.B. Phillips, A.E.E. Rogers, A. Greve, M. Grewing et al.  
2002, Proc. of 6th European VLBI Network Symposium, 223  
eds. E. Ros et al., MPIfR, Bonn
- 950.** GAS AND DUST IN ULTRALUMINOUS INFRARED GALAXIES: IMPLICATIONS FOR SOURCES AT HIGH REDSHIFT  
D. Downes  
2002, in *Highlights of Astronomy 2002*  
ed. H. Rickman  
Astron. Soc. Pacific, San Francisco, 477
- 951.** INTERFEROMETRIC OBSERVATIONS OF DISKS AROUND PMS BINARY STARS  
A. Dutrey  
2002, in *The Formation of Binary Stars*  
eds. H. Zinnecker, R.D. Mathieu  
IAU Symp. 200  
Astron. Soc. Pacific, San Francisco, 219
- 952.** THE FUTURE OF MM/SUBMM INTERFEROMETRY: THE ALMA PROJECT  
S. Guilloteau  
2002, in *The Formation of Binary Stars*  
eds. H. Zinnecker, R.D. Mathieu  
IAU Symp. 200  
Astron. Soc. Pacific, San Francisco, 547
- 953.** RECYCLING INTERGALACTIC AND INTERSTELLAR MATTER  
P.-A. Duc  
2002, in *SF2a Scientific Highlights*  
eds. F. Combes, D. Barret  
EDP Sciences, Les Ulis, 355
- 954.** MOLECULAR GAS IN THE 3-RINGED SEYFERT/LINER GALAXY NGC 7217  
F. Combes, S. García-Burillo, F. Boone, L.K. Hunt, S. Leon, A. Eckart, A.J. Baker, L.J. Tacconi, P. Englmaier, E. Schinnerer, R. Neri  
2002, in *SF2a Scientific Highlights*  
eds. F. Combes, D. Barret  
EDP Sciences, Les Ulis, 399
- 955.** THE STELLAR MASS OF HH 30  
J. Pety, F. Gueth, S. Guilloteau, A. Dutrey  
2002, in *SF2a Scientific Highlights*  
eds. F. Combes, D. Barret  
EDP Sciences, Les Ulis, 481
- 956.** RADIO INTERFEROMETRIC OBSERVATIONS OF NGC 2146  
A. Tarchi, N. Neininger, A. Greve et al.  
2002, in *Galaxies and their Constituents at the Highest Angular Resolutions*  
ed. R.T. Schilizzi et al.  
IAU Symp. 205  
Astron. Soc. Pacific, San Francisco, 180
- 957.** M 31's MOLECULAR ARMS AT ALL SCALES TO BELOW 10 PC  
N. Neininger, Ch. Nieten, M. Guélin, H. Ungerechts, R. Lucas, S. Muller, R. Wielebinski  
2002, in *Galaxies and their Constituents at the Highest Angular Resolutions*  
ed. R.T. Schilizzi et al.  
IAU Symp. 205  
Astron. Soc. Pacific, San Francisco, 352
- 958.** HI ABSORPTION IN NGC 2146 OBSERVED WITH MERLIN  
A. Tarchi, N. Neininger, U. Klein, A. Pedlar, A. Greve  
2002, in *Galaxy Disks and Disk Galaxies*  
eds. J.G. Funes, S.J. and E.M. Corsini  
ASP Conf. Series, 230, 507
- 959.** COMPACT RADIO SOURCES IN NGC 2146  
A. Tarchi, N. Neininger, U. Klein, A. Greve, S.T. Garrington, T.W.B. Muxlow, A. Pedlar, B.E. Glendenning  
2002, in *Galaxy Disks and Disk Galaxies*  
eds. J.G. Funes, S.J. and E.M. Corsini  
ASP Conf. Series, 230, 509
- 960.** A VERSATILE IF POLARIMETER AT THE IRAM 30M TELESCOPE  
C. Thum, H. Wiesemeyer, D. Morris, S. Navarro, M. Torres  
2002, in *Polarimetry in Astronomy*  
ed. S. Fineschi  
SPIE 4843, 272
- 961.** ANATOMY OF THE COUNTERROTATING MOLECULAR DISK IN THE SPIRAL NGC 3593  
S. García-Burillo, M.J. Sempere, F. Combes, L.K. Hunt, R. Neri  
2002, in *Highlights of Spanish Astrophysics II*  
Kluwer, Dordrecht, 374

- 962.** DESIGN AND CHARACTERIZATION OF  
225-370 GHz DSB AND 250-360 GHz SSB  
FULL HEIGHT WAVEGUIDE SIS  
MIXERS  
A. Navarrini, B. Lazareff, D. Billon-Pierron,  
I. Peron  
2002, in *13th Int. Symp. On Space  
Terahertz Technology*  
Harvard University, USA, 33
- 963.** INTEGRATED NIOBIUM THIN FILM  
AIR BRIDGES AS VARIABLE  
CAPACITORS FOR  
SUPERCONDUCTING GHZ  
ELECTRONIC CIRCUITS  
M. Schicke, K.-F. Schuster  
2002, in *13th Int. Symp. On Space  
Terahertz Technology*  
Harvard University, USA, 401
- 964.** PHASE AND AMPLITUDE ANTENNA  
MEASUREMENTS ON AN SIS MIXER  
FITTED WITH A DOUBLE SLOT  
ANTENNA FOR ALMA BAND 9  
M. Carter, A. Baryshev, r. Hesper,  
S.J. Wijnholds, W. Jellema, T. Zijlstra  
2002, in *13th Int. Symp. On Space  
Terahertz Technology*  
Harvard University, USA, 515
- 965.** TEST INTERFEROMETER CONTROL  
SOFTWARE REQUIREMENTS  
M. Brook, S. Scott, R. Lucas  
2002, in *ALMA Software Series*  
ALMA-SW-0001, NRAO, Socorro
- 966.** INITIAL SOFTWARE ANALYSIS  
S. Grosbol, R. Lucas et al.  
2002, in *ALMA Software Series*  
ALMA-SW-0002, NRAO, Socorro
- 967.** ALMA SOFTWARE SCIENCE  
REQUIREMENTS AND USE CASES  
R. Lucas, B. Clark, F. Gueth et al.  
2002, in *ALMA Software Series*  
ALMA-SW-0011, NRAO, Socorro
- 968.** ALMA TEST INTERFEROMETER  
RAW DATA FORMAT  
R. Lucas, B. Glendenning  
2002, in *ALMA Software Series*  
ALMA-SW-0015, NRAO, Socorro
- 969.** ALMA OFFLINE DATA PROCESSING  
REQUIREMENTS  
S. Myers, F. Gueth, R. Lucas et al.  
2002, in *ALMA Software Series*  
ALMA-SW-0018, NRAO, Socorro