

2002: PUBLICATIONS WITH RESULTS FROM USERS' IRAM OBSERVATIONS

- 894.** THE PUZZLING DETECTION OF D₂CO IN THE MOLECULAR CLOUD L1689N
C. Ceccarelli., C. Vastel, A.G.G.M. Tielens
A. Castets, A.C.A. Boogert,
L. Loinard, E. Caux
2002, A&A 381, L17
- 895.** COMETARY MOLECULAR CLOUDS AROUND RN06
On-going star formation near the double cluster *h* and χ Persei
R. Bachiller, A. Fuente, M.S.N. Kumar
2002, A&A 381, 168
- 896.** FAR-INFRARED/MILLIMETRE EMISSION IN 3C SOURCES
Dust in radio galaxies and quasars
P. Andreani, R.A.E. Fosbury,
I. van Bemmel, W. Freudling
2002, A&A 381, 389
- 897.** NATURE OF OH MASER AND SiO THERMAL EMISSION TOWARDS CARBON STAR: IRAS 05373-0810 (V1187 ORI)
R. Szcerba, P.S. Chen, M. Szymczak,
A. Omont
2002, A&A 381, 491
- 898.** RADIO-MILLIMETRE INVESTIGATION OF GALACTIC INFRARED DARK CLOUDS
D. Teyssier, P. Hennebelle, M. Pérault
2002, A&A 382, 624
- 899.** SEARCH FOR SUB-MM, MM AND RADIO CONTINUUM EMISSION FROM EXTREMELY RED OBJECTS
N.R. Mohan, A. Cimatti, H.J.A. Röttgering,
P. Andreani, P. Severgnini, R.P.J. Tilanus,
C.L. Carilli, S.A. Stanford
2002, A&A 383, 440
- 900.** GRAVITATIONALLY BOUND CORES IN A MOLECULAR CIRRUS CLOUD
A. Heithausen, F. Bertoldi, F. Bensch
2002, A&A 383, 591
- 901.** MASSIVE MOLECULAR OUTFLOWS
H. Beuther, P. Schilke, T.K. Sridharan,
K.M. Menten, C.M. Walmsley, F. Wyrowski
2002, A&A 383, 892
- 902.** PRINCIPLES OF THE DATA REDUCTION AND FIRST RESULTS OF THE FASTSCANNING METHOD FOR (SUB) MILLIMETER ASTRONOMY
B. Weferling, L.A. Reichertz,
J. Schmid-Burgk, E. Kreysa
2002, A&A 383, 1088
- 903.** HD 112 μ m IN ABSORPTION AND EXTREME CO DEPLETION IN A COLD MOLECULAR CLOUD
E. Caux, C. Ceccarelli, L. Pagani, S. Maret,
A. Castets, J.R. Pardo
2002, A&A 383, L9
- 904.** THE NUCLEAR BULGE OF THE GALAXY
III. Large-scale physical characteristics of stars and interstellar matter
R. Launhardt, R. Zylka, P.G. Mezger
2002, A&A 384, 112
- 905.** DUST EMISSION AND STAR FORMATION TOWARD A REDSHIFT 5.5 QSO
F. Bertoldi, P. Cox
2002, A&A 384, L11
- 906.** THE STRUCTURE AND DYNAMICS OF THE MOLECULAR ENVELOPE OF M2-56
A. Castro-Carrizo, V. Bujarrabal,
C. Sánchez Contreras, J. Alcolea, R. Neri
2002, A&A 386, 633
- 907.** THE STELLAR MASS TO LIGHT RATIO IN THE ISOLATED SPIRAL NGC 4414
O. Vallejo, J. Braine, A. Baudry
2002, A&A 387, 429
- 908.** MOLECULAR GAS IN NGC 6946
W. Walsh, R. Beck, G. Thuma,
A. Weiss, R. Wielebinski, M. Dumke
2002, A&A 388, 7
- 909.** MAPPING THE SUBMILLIMETER SPIRAL WAVE IN NGC 6946
P.B. Alton, S. Bianchi, J. Richer,
D. Pierre-Price, F. Combes
2002, A&A 388, 446

- 910.** THE DEGREE OF CO DEPLETION IN PRE-STELLAR CORES
A. Bacmann, B. Lefloch, C. Ceccarelli, A. Castets, J. Steinacker, L. Loinard
2002, A&A 389, L6
- 911.** THE STRUCTURE OF MOLECULAR CLUMPS AROUND HIGH-MASS YOUNG STELLAR OBJECTS
F. Fontani, R. Cesaroni, P. Caselli, L. Olmi
2002, A&A 389, 603
- 912.** PHYSICAL STRUCTURE AND CO ABUNDANCE OF LOW-MASS PROTOSTELLAR ENVELOPES
J.K. Jørgenson, F.L. Schöier, E.F. van Dishoeck
2002, A&A 389, 908
- 913.** G24.78+0.08: A CLUSTER OF HIGH-MASS (PROTO) STARS
R.S. Furuya, R. Cesaroni, C. Codella, L. Testi, R. Bachiller, M. Tafalla
2002, A&A 390, L1
- 914.** CH₃OH AND H₂O MASERS IN HIGH-MASS STAR-FORMING REGIONS
H. Beuther, A. Walsh, P. Schilke, T.K. Sridharan, K.M. Menten, F. Wyrowski
2002, A&A 390, 289
- 915.** TURBULENT VELOCITY STRUCTURE IN MOLECULAR CLOUDS
V. Ossenkopf, M.-M. Mac Low
2002, A&A 390, 307
- 916.** MILLIMETRE OBSERVATIONS OF INFRARED CARBON STARS
I. The Data
M.A.T. Groenewegen, M. Sevenster, H.W.W. Spoon, I. Pérez
2002, A&A 390, 501
- 917.** MILLIMETRE OBSERVATIONS OF INFRARED CARBON STARS
II. Mass loss rates and expansion velocities
M.A.T. Groenewegen, M. Sevenster, H.W.W. Spoon, I. Pérez
2002, A&A 390, 511
- 918.** MASS LOSS RATES OF A SAMPLE OF IRREGULAR AND SEMIREGULAR M-TYPE AGB-VARIABLES
H. Olofsson, D. González Delgado, F. Kerschbaum, F.L. Schöier
2002, A&A 391, 1053
- 919.** 86 GHz SiO MASER SURVEY OF LATE-TYPE STARS IN THE INNER GALAXY
I. Observational data
M. Messineo, H.J. Habing, L.O. Sjouwerman, A. Omont, K.M. Menten
2002, A&A 393, 115
- 920.** MOLECULAR LINE STUDY OF THE VERY YOUNG PROTOSTAR IRAM 04191 IN TAURUS: INFALL, ROTATION, AND OUTFLOW
A. Belloche, P. André, D. Despois, S. Blinder
2002, A&A 393, 927
- 921.** DETECTION OF DOUBLY-DEUTERATED METHANOL IN THE SOLAR-TYPE PROTOSTAR IRAS 16293-2422
B. Parise, C. Ceccarelli, A.G.G.M. Tielens, E. Herbst, B. Lefloch, E. Caux, A. Castets, I. Mukhopadhyay, L. Pagani, L. Loinard
2002, A&A 393, L49
- 922.** ABUNDANT MOLECULAR GAS IN THE INTERGALACTIC MEDIUM OF STEPHAN'S QUINTET
U. Lisenfeld, J. Braine, P.-A. Duc, S. Leon, V. Charmandaris, E. Brinks
2002, A&A 394, 823
- 923.** HARD X-RAY EMISSION FROM A YOUNG MASSIVE STAR-FORMING CLUSTER
H. Beuther, J. Kerp, T. Preibisch, T. Stanke, P. Schilke
2002, A&A 395, 169
- 924.** MOLECULAR IONS IN L1544.
I. Kinematics
P. Caselli, C.M. Walmsley, A. Zucconi, M. Tafalla, L. Dore, P.C. Myers
2002, ApJ 565, 331
- 925.** MOLECULAR IONS IN L1544.
II. The ionisation degree
P. Caselli, C.M. Walmsley, A. Zucconi, M. Tafalla, L. Dore, P.C. Myers
2002, ApJ 565, 344
- 926.** GRB 010222: A BURST WITHIN A STARBURST
D.A. Frail, F. Bertoldi, K.M. Menten et al.
2002, ApJ 565, 829

- 927.** HIGH-MASS PROTOSTELLAR CANDIDATES.
I. The sample and initial results
T.K. Sridharan, H. Beuther, P. Schilke, K.M. Menten, F. Wyrowski
2002, ApJ 566, 931
- 928.** HIGH-MASS PROTOSTELLAR CANDIDATES.
II. Density structure from dust continuum and CS emission
H. Beuther, P. Schilke, K.M. Menten, F. Motte, T.K. Sridharan, F. Wyrowski
2002, ApJ 566, 945
- 929.** DETECTION OF FeO TOWARD SAGITTARIUS B2
C.M. Walmsley, R. Bachiller, G. Pineau des Forêts, P. Schilke
2002, ApJ 566, L109
- 930.** STRUCTURE IN THE DUSTY DEBRIS AROUND VEGA
D.J. Wilner, M.J. Holman, M.J. Kuchner, P.T.P. Ho
2002, ApJ 569, L115
- 931.** SYSTEMATIC MOLECULAR DIFFERENTIATION IN STARLESS CORES
M. Tafalla, P.C. Myers, P. Caselli, C.M. Walmsley, C. Comito
2002, ApJ 569, 815
- 932.** THE ENVIRONMENT AND NATURE OF THE CLASS 1 PROTOSTAR ELIAS 29: MOLECULAR GAS OBSERVATIONS AND THE LOCATION OF ICES
A.C.A. Boogert, M.R. Hogerheijde, C. Ceccarelli, A.G.G.M. Tielens, E.F. van Dishoeck, G.A. Blake, W.B. Latter, F. Motte
2002, ApJ 570, 708
- 933.** A SUBMILLIMETER SURVEY OF GRAVITATIONALLY LENSED QUASARS
R. Barvainis, R. Ivison
2002, ApJ 571, 712
- 934.** HIGH-RESOLUTION CO AND H₂ MOLECULAR LINE IMAGING OF A COMETARY GLOBULE IN THE HELIX NEBULA
P.J. Huggins, T. Forveille, R. Bachiller, P. Cox, N. Ageorges, J.R. Walsh
2002, ApJ 573, L55
- 935.** DISCOVERY OF HIGH-LATITUDE CO IN AN H I SUPERSHELL IN NGC 5775
S.-W. Lee, E.R. Seaquist, S. Leon, S. García-Burillo, J.A. Irwin
2002, ApJ 573, L107
- 936.** PROPERTIES OF MILLIMETER GALAXIES: CONSTRAINTS FROM K-BAND BLANK FIELDS
H. Dannerbauer, M.D. Lehnert, D. Lutz, L. Tacconi, F. Bertoldi, C. Carilli, R. Genzel, K. Menten
2002, ApJ 573, 473
- 937.** BOW SHOCKS, WIGGLING JETS, AND WIDE-ANGLE WINDS: A HIGH-PRECISION STUDY OF THE ENTRAINMENT MECHANISM OF THE PV CEPHEI MOLECULAR (CO) OUTFLOW
H. G. Arce, A.A. Goodman
2002, ApJ 575, 928
- 938.** THE STRUCTURE AND EVOLUTION OF THE LAGOON NEBULA. I. SUBMILLIMETER CONTINUUM AND CO LINE MAPPING
N.F.H. Tothill, G.J. White, H.E. Matthews, W.H. McCutcheon, M.J. McCaughrean, M.A. Kenworthy
2002, ApJ 580, 285
- 939.** THE PHOTOIONIZATION OF A STAR-FORMING CORE IN THE TRIFID NEBULA
B. Lefloch, J. Cernicharo, L.F. Rodríguez, M.A. Miville-Deschênes, D. Cesarsky
2002, ApJ 581, 335
- 940.** DUST AND CO EMISSION FROM HIGH z SOURCES
P. Cox, A. Omont, F. Bertoldi
2002, J. Phys. IV France 1
- 941.** THE INITIAL CONDITIONS FOR PROTOSTELLAR COLLAPSE: OBSERVATIONAL CONSTRAINTS
Ph. André
2002, in *Star Formation and the Physics of Young Stars*
eds. J. Bouvier, J.-P. Zahn
EAS, EDP Sciences Pub. Series 2, 1
- 942.** DUST AND CO EMISSION FROM HIGH Z SOURCES
P. Cox, A. Omont, F. Bertoldi
2002, in *Infrared and Submillimeter Space Astronomy*
eds. M. Giard, J.P. Bernard, A. Klotz, I. Ristorcelli
EAS, EDP Sciences Pub. Series 4, 399

- 943.** THE DAWN OF GALAXIES: DEEP MAMBO IMAGING SURVEYS
F. Bertoldi, K.M. Menten, E. Kreysa, C.L. Carilli, F. Owen
2002, in *Highlights of Astronomy*
ed. H. Rickman
Astron. Soc. Pacific, San Francisco, 473
- 944.** FRAGMENTATION OF A PROTOSTELLAR CORE: THE CASE OF CB 230
R. Launhardt
2002, in *The Formation of Binary Stars*,
IAU Symp. 200
eds. H. Zinnecker, R.D. Mathieu
Astron. Soc. Pacific, San Francisco, 117
- 945.** MEASURING THE MASSES OF YOUNG STARS
M. Simon
2002, in *The Formation of Binary Stars*,
IAU Symp. 200
eds. H. Zinnecker, R.D. Mathieu
Astron. Soc. Pacific, San Francisco, 454
- 946.** RECYCLING INTERGALACTIC AND INTERSTELLAR MATTER
P.-A. Duc
2002, in *SF2a Scientific Highlights 2002*
eds. F. Combes, D. Barret
EDP Sciences, 355
- 947.** MOLECULAR GAS IN THE DOUBLE-BARRED SEYFERT 2 GALAXY NGC 5728
F. Combes, S. Leon
2002, in *SF2a Scientific Highlights 2002*
eds. F. Combes, D. Barret
EDP Sciences, 403
- 948.** DETECTION OF COLD MOLECULAR GAS IN CENTRAL CLUSTER GALAXIES
P. Salomé, F. Combes
2002, in *SF2a Scientific Highlights 2002*
eds. F. Combes, D. Barret
EDP Sciences, p. 429
- 949.** A KEPLERIAN DISK AROUND THE HERBIG STAR HD 34282
V. Piétu, A. Dutrey, C. Kahane
2002, in *SF2a Scientific Highlights 2002*
eds. F. Combes, D. Barret
EDP Sciences, 559
- 950.** MULTILINE STUDY WITH VLBI OF SiO MASERS IN EVOLVED STARS
F. Colomer
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, 322
- 951.** MASER AND THERMAL METHANOL EMISSION IN THE MILLIMETER WAVE RANGE: NEW MASERS AT 1.3 MM AND 2.8 MM
S. V. Kalenskii, V.I. Slysh, I.E. Val'tts
2002, in *Cosmic MASERS: From Protostars to Blackholes*
IAU Symp. 206
eds. V. Migenes, M.J. Reid
Astron. Soc. Pacific, San Francisco, 191
- 952.** RECOMBINATION LINE MASERS IN YSOs
J. Martín-Pintado
2002, in *Cosmic MASERS: From Protostars to Blackholes*
IAU Symp. 206
eds. V. Migenes, M.J. Reid
Astron. Soc. Pacific, San Francisco, 226
- 953.** MOLECULAR GAS IN NGC 6946
W. Walsh, G. Thuma, R. Beck, R. Wielebinski
2002, in *Galaxy Disks and Disk Galaxies*
eds. J.G. Funes, S.J. and E.M. Corsini
ASP Conf Series 230, 387
- 954.** COUNTERROTATING MOLECULAR GAS DISKS: OBSERVATIONS AND NUMERICAL SIMULATIONS
S. García-Burillo, M.J. Sempere, F. Combes, L.K. Hunt
2002, in *Galaxy Disks and Disk Galaxies*
eds. J.G. Funes, S.J. and E.M. Corsini
ASP Conf Series 230, 443
- 955.** THE BIGGEST STARBURST AT THE HIGHEST REDSHIFTS
W. van Breugel, M. Reuland, C. De Breuck, H. Röttgering
2002, in *Starburst Galaxies: Near and Far*
eds. L. Tacconi, D. Lutz
Springer Verlag, 101
- 956.** EXTREME STARBURSTS AND MOLECULAR CLOUDS IN GALAXIES
P.M. Solomon
2002, in *Starburst Galaxies: Near and Far*
eds. L. Tacconi, D. Lutz
Springer Verlag, 173