

# List of publications

## I. Theses:

1. Doctorat de troisième cycle : "Analyse de l'effet centre-bord observé dans les raies de Mg II solaires"  
Paris VII, 16 June 1973.
2. Doctorat d'Etat: "Formation des raies spectrales et oscillations dans la chromosphère solaire"  
Paris VII, 9 September 1980.

## II. Refereed articles published as main author:

1. "Analyse centre-bord des raies solaires de Mg II"  
Gouttebroze, P., Lemaire, P. (1974)  
Astronomy and Astrophysics 34, 375-386
2. "Velocity gradients in the solar chromosphere and Mg II line profiles"  
Gouttebroze, P. (1977)  
Astronomy and Astrophysics 54, 203-211
3. "The solar hydrogen Lyman  $\beta$  and  $\alpha$  lines. Disk center observations from OSO8 compared with theoretical profiles"  
Gouttebroze, P., Lemaire, P., Vial, J.C., Artzner, G. (1978)  
Astrophysical Journal 225, 655-664
4. "Solar atmospheric dynamics. I. Formation of optically thick chromospheric lines"  
Gouttebroze, P., Leibacher, J.W. (1980)  
Astrophysical Journal 238, 1134-1151
5. "On the effect of temperature fluctuations on line intensities"  
Gouttebroze, P. (1983)  
Journal of Quantitative Spectroscopy and Radiative Transfer 30, 193-211
6. "Emission of Lyman- $\alpha$  radiation by solar coronal loops: I. General synopsis."  
Gouttebroze, P., Vial, J.C., Tsiropoula, G. (1986)  
Astronomy and Astrophysics 154, 154-170
7. "Fast approximations for the  $R_{\text{II-A}}$  redistribution function"  
Gouttebroze, P. (1986)  
Astronomy and Astrophysics 160, 195-198
8. "Solar atmospheric dynamics. III : The effect of acoustic waves on the Mg II k line profile"  
Gouttebroze, P. (1989)  
Astrophysical Journal 337, 536-547
9. "On radiative transfer in cylindrical objects by the discrete ordinate method"

- Gouttebroze, P. (1990)  
Astronomy and Astrophysics 228, 295-298
10. "The hydrogen spectrum of model prominences"  
Gouttebroze, P., Heinzel, P., Vial, J.C. (1993)  
Astronomy and Astrophysics Supplement Series 99, 513-543
11. "An Eulerian approach for the computation of oscillation mode visibility"  
Gouttebroze, P., Toutain, T. (1994)  
Astronomy and Astrophysics 287, 535-542
12. "Formation of Ca II lines in solar prominences"  
Gouttebroze, P., Vial, J.-C., Heinzel, P. (1997)  
Solar Physics 172, 125-132
13. "Oscillations of the upper chromosphere"  
Gouttebroze, P., Vial, J.-C., Bocchialini, K., Lemaire, P., Leibacher, J. W. (1999)  
Solar Physics 184, 253-266
14. "Chromospheric models for late A-type stars"  
Gouttebroze, P., Freire Ferrero, R., Marilli, E., Catalano, S. (1999)  
Astronomy and Astrophysics 348, 198-210
15. "A ready-made code for the computation of prominence NLTE models"  
Gouttebroze, P., Labrosse, N. (2000)  
Solar Physics 196, 349-355
16. "Calcium to hydrogen line ratios in solar prominences"  
Gouttebroze, P., Heinzel, P. (2002)  
Astronomy and Astrophysics 385, 273-280
17. "Radiative transfer in cylindrical threads with incident radiation"  
Gouttebroze, P. (2004)  
Astronomy and Astrophysics 413, 733-743
18. "Radiative transfer in cylindrical threads with incident radiation. II. 2D azimuth-dependent case"  
Gouttebroze, P. (2005)  
Astronomy and Astrophysics 434, 1165-1171
19. "Radiative transfer in cylindrical threads with incident radiation. III. Hydrogen spectrum"  
Gouttebroze, P. (2006)  
Astronomy and Astrophysics 448, 367-374
20. "Radiative transfer in cylindrical threads with incident radiation. IV. Time-dependent and thermal equilibrium models"  
Gouttebroze, P. (2007)  
Astronomy and Astrophysics 465, 1041-1049
21. "Radiative transfer in cylindrical threads with incident radiation. V. 2D transfer with 3D velocity fields"  
Gouttebroze, P. (2008)  
Astronomy and Astrophysics 487, 805-813
22. "Radiative transfer in cylindrical threads with incident radiation. VI. A hydrogen plus helium system"  
Gouttebroze, P., Labrosse, N. (2009)

### III. Other refereed articles:

1. "The LPSP instrument on OSO8. II. In flight performances and preliminary results"  
Bonnet, R.M., Lemaire, P., Vial, J.C., Artzner, G., Gouttebroze, P., Jouchoux, A., Leibacher, J.W., Skumanich, A., Vidal-Madjar, A. (1978)  
Astrophysical Journal 221, 1032-1061
2. "Simultaneous time-resolved observations of the H-Lyman  $\alpha$ , Mg II k 2795 Å and Ca K solar lines"  
Artzner, G., Leibacher, J.W., Vial, J.C., Lemaire, P., Gouttebroze, P. (1978)  
Astrophysical Journal 224, L83-85
3. "Profiles of H I (Lyman  $\alpha$ ), Mg II (h and k), Ca II (H and K) lines of an active filament at the limb, with the LPSP instrument aboard the OSO-8 satellite"  
Vial, J.C., Gouttebroze, P., Artzner, G., Lemaire, P. (1979)  
Solar Physics 61, 39-59
4. "O VI ( $\lambda = 1032 \text{ \AA}$ ) profiles in and above an active region prominence, compared to quiet sun center and limb profiles"  
Vial, J.C., Lemaire, P., Artzner, G., Gouttebroze, P. (1980)  
Solar Physics 68, 187-206
5. "Solar H I Lyman- $\alpha$  far wing measurement"  
Jouchoux, A., Vial, J.C., Artzner, G.E., Gouttebroze, P., Lemaire, P. (1981)  
Astronomy and Astrophysics 93, 415-418
6. "Physical properties of the solar chromosphere deduced from optically thick lines. I. Observations, data reduction and modelling of an average plage"  
Lemaire, P., Gouttebroze, P., Vial, J.C., Artzner, G.E. (1981)  
Astronomy and Astrophysics 103, 160-176
7. "Solar atmospheric dynamics. II. Nonlinear models of the photospheric and chromospheric oscillations"  
Leibacher, J.W., Gouttebroze, P., Stein, R.F. (1982)  
Astrophysical Journal 258, 393-403
8. "The Mg II h and k lines in Vega"  
Freire Ferrero, R., Gouttebroze, P., Kondo, Y. (1983)  
Astronomy and Astrophysics 121, 59-68
9. "Magnesium II line formation : The contribution of high atomic levels to the resonance lines"  
Lemaire, P., Gouttebroze, P. (1983)  
Astronomy and Astrophysics 125, 241-245
10. "Observation and analysis of intensity oscillations in the solar K-line"  
Damé, L., Gouttebroze, P., Malherbe, J.M. (1984)  
Astronomy and Astrophysics 130, 331-340

11. "Emission of Lyman- $\alpha$  radiation by solar coronal loops: II. Filtergram analysis"  
Tsiropoula, G., Alissandrakis, C.E., Bonnet, R.M., Gouttebroze, P. (1986)  
Astronomy and Astrophysics 167, 351-358
12. "Analysis of the Mg II resonance lines in the spectrum of Sirius"  
Freire Ferrero, R., Gouttebroze, P., Talavera, A. (1987)  
Astronomy and Astrophysics 173, 315-323
13. "Formation of Hydrogen spectrum in quiescent prominences: One-dimensional models with standard partial redistribution"  
Heinzl, P., Gouttebroze, P., Vial, J.C. (1987)  
Astronomy and Astrophysics 183, 351-362
14. "The chromospheric Lyman- $\alpha$  emission of Altair (A7 IV-V) observed with IUE"  
Catalano, S., Marilli, E., Freire Ferrero, R., Gouttebroze, P. (1991)  
Astronomy and Astrophysics 250, 573-579
15. "Possible detection of Lyman- $\alpha$  emission in the A7 III star  $\gamma$  Bootis"  
Marilli, E., Catalano, S., Freire Ferrero, R., Gouttebroze, P. (1992)  
Astronomy and Astrophysics 265, 643-646
16. "Visibility of solar p-modes"  
Toutain, T., Gouttebroze, P. (1993)  
Astronomy and Astrophysics 268, 309-318
17. "Theoretical correlations between prominence plasma parameters and the emitted radiation"  
Heinzl, P., Gouttebroze, P., Vial, J.-C. (1994)  
Astronomy and Astrophysics 292, 656-668
18. "Chromospheric models for Altair (A 7 IV-V)"  
Freire Ferrero, R., Gouttebroze, P., Catalano, S., Marilli, E., Bruhweiler, F., Kondo, Y., Van der Hucht, K., Talavera, A. (1995)  
Astrophysical Journal 439, 1011-1020
19. "Prominence thread models including ambipolar diffusion"  
Fontenla, J. M., Rovira, M., Vial, J.-C., Gouttebroze, P. (1996)  
Astrophysical Journal 466, 496-511
20. "Solar chromospheric structures as observed simultaneously in strong UV lines. II. Network and cell modelling"  
Bocchialini, K., Gouttebroze, P. (1996)  
Astronomy and Astrophysics 313, 949-958
21. "Searching for chromospheric Lyman- $\alpha$  emission in A-F stars from IUE high resolution spectra"  
Marilli, E., Catalano, S., Freire Ferrero, R., Gouttebroze, P., Bruhweiler, F., Talavera, A. (1997),  
Astronomy and Astrophysics 317, 521-531
22. "Spectral diagnostics for eruptive prominences"  
Gontikakis, C., Vial, J.-C., Gouttebroze, P. (1997)  
Solar Physics 172, 189-197
23. "Emission of hydrogen lines by moving solar prominences"  
Gontikakis, C., Vial, J.-C., Gouttebroze, P. (1997)  
Astronomy and Astrophysics 325, 803-812

24. "Formation of Helium spectrum in solar quiescent prominences"  
Labrosse, N., Gouttebroze, P. (2001)  
Astronomy and Astrophysics 380, 323-340
25. "Flare observation of the Sun as a star by SUMER/SOHO in the hydrogen Lyman continuum"  
Lemaire, P., Gouttebroze, P., Vial, J.-C., Curdt, W., Schule, U., Wilhelm, K. (2004)  
Astronomy and Astrophysics 418, 737-742
26. "Non-LTE radiative transfer in model prominences. I. Integrated intensities of He I triplet lines"  
Labrosse, N., Gouttebroze, P. (2004)  
Astrophysical Journal 617, 614-622
27. "Inferred acoustic rates of solar p modes from several helioseismic instruments"  
Baudin, F., Samadi, R., Goupil, M.-J., Appourchaux, T., Barban, C., Boumier, P., Chaplin, W. J., Gouttebroze, P. (2005)  
Astronomy and Astrophysics 433, 349-356
28. "Effect of motions in prominences on the helium resonance lines in the extreme ultraviolet"  
Labrosse, N., Gouttebroze, P., Vial, J. C. (2007)  
Astronomy and Astrophysics 463, 1171-1179
29. "The quiet Sun network at sub-arcsecond resolution: VAULT observations and radiative transfer modeling of cool loops"  
Patsourakos, S., Gouttebroze, P., Vourlidas, A. (2007)  
Astrophysical Journal 664, 1214-1220
30. "Diagnostics of active and eruptive prominences through hydrogen and helium lines modelling"  
Labrosse, N., Vial, J. C., Gouttebroze, P. (2008)  
Annales Geophysicae 26, 2961-2965

#### IV. Miscellaneous:

1. "Etude préliminaire des gradients de vitesse dans la chromosphère solaire au moyen des raies de Mg II"  
Gouttebroze, P. (1975)  
Note de recherche interne du LPSP
2. "Oxygen VI profiles of solar quiet and active areas recorded by the OSO-8 LPSP experiment"  
Lemaire, P., Skumanich, A., Artzner, G., Gouttebroze, P., Vial, J.C., Bonnet, R.M., McWhirter, P.  
5th Conference on UV and X-ray spectroscopy of astrophysical and laboratory plasmas (London, July 1977)
3. "Hydrogen Lyman  $\alpha$  and  $\beta$  profiles observed from the OSO-8 LPSP experiment and

- compared to computations"  
 Gouttebroze, P., Lemaire, P.  
 OSO-8 Workshop (Boulder, November 1977)
4. "Doppler shifts measured in O VI line from OSO8 observations above and in the vicinity of plage McMath 13738"  
 Lemaire, P., Skumanich, A., Artzner, G., Gouttebroze, P., Vial, J.C., Bonnet, R.M., McWhirter, P.  
 152nd Meeting of the American Astronomical Society (Madison, Wisconsin, June 1978)
  5. "OSO8, radio and X-ray observations of the 19 April 1977 flare"  
 Skumanich, A., Jouchoux, A., Castelli, J., Lemaire, P., Artzner, G., Gouttebroze, P., Vial, J.C., Bonnet, R.M.  
 152nd Meeting of the American Astronomical Society (Madison, Wisconsin, June 1978)
  6. "Note sur le transfert du rayonnement polarisé dans une atmosphère plan-parallèle d'épaisseur optique intermédiaire"  
 Gouttebroze, P. (1978)  
 Note de recherche interne du LPSP
  7. "Profiles of H I ( $L \alpha$ ), Mg II (h and k), Ca II (H and K) lines on an active filament at the limb, with the LPSP instrument onboard the OSO8 satellite"  
 Vial, J.C., Gouttebroze, P., Artzner, G., Lemaire, P.  
 Colloque 44 de l'U.A.I. (Oslo, Août 1978)
  8. "Lyman  $\alpha$  and  $\beta$  of H I, h and k of Mg II, H and K of Ca II profiles of a quiescent prominence obtained with the LPSP instrument aboard OSO8"  
 Vial J.C., Lemaire P., Gouttebroze P.  
 Colloque 44 de l'U.A.I. (Oslo, Août 1978)
  9. "A dynamical representation of the solar chromosphere"  
 Leibacher, J.W., Gouttebroze, P.  
 Meeting of the American Astronomical Society (Mexico, Janvier 1979)
  10. "Some effects of strong acoustic waves on strong spectral lines"  
 Gouttebroze, P., Leibacher, J.W.  
 Colloque 51 de l'U.A.I. (London, Ontario, Août 1979)
  11. "Nonlinear models for solar atmospheric oscillations"  
 Leibacher, J.W., Gouttebroze, P., Stein, R.F.  
 Colloque 66 de l'U.A.I. (Observatoire de Crimée, U.R.S.S., September 1981)
  12. "Nonlinear models for solar atmospheric oscillations"  
 Séminaire donné au Laboratoire d'Astrophysique d'Athènes (Panepistimiopolis, 26 Janvier 1982)
  13. "Oscillations chromosphériques:  
 (1) Approche linéaire  
 (2) Approche non-linéaire"

Exposés présentés à l'Atelier-école de la R.C.P. 615 (Lamalou-les-Bains, November 1982)

14. "Space-time analysis of oscillations observed in the solar Ca II resonance lines."  
Dame, L., Gouttebroze, P., Malherbe, J.M.  
A.A.S. Meeting (Boston, Janvier 1983)
15. "Oscillations chromosphériques"  
Dame, L., Gouttebroze, P., Malherbe, J.M.  
Colloque de l'A.T.P. Soleil actif (Meudon, May 1983)
16. "Intensity oscillations in the calcium K-line"  
Gouttebroze, P., Dame, L., Malherbe, J.M.  
E.P.S. study conference : "Oscillations as a probe of the sun's interior" (Catania, Italy, June 1983)
17. "Nonlinear models for sunspot oscillations"  
Leibacher, J.W., Gurman, J.B., Gouttebroze, P.  
E.P.S. study conference : "Oscillations as a probe of the sun's interior" (Catania, Italy, June 1983)
18. "Theoretical interpretation of the observed Mg II h and k lines in some A stars"  
Freire Ferrero, R., Gouttebroze, P.  
7th European Regional Astronomy Meeting (Florence, Italy, December 1983)
19. "The Mg II lines in A dwarf stars"  
Freire Ferrero, R., Talavera, A., Gouttebroze, P.  
4th European I.U.E. Conference (Rome, Italy, May 1984)
20. "The effect of abundance values on partial redistribution line computations"  
Freire Ferrero, R., Gouttebroze, P.  
Spectral line formation theory Workshop (Trieste, Italy, September 1984)
21. "Transfer of Lyman- $\alpha$  radiation in solar coronal loops"  
Gouttebroze, P.  
Spectral line formation theory Workshop (Trieste, Italy, September 1984)
22. "Partial redistribution effects in the formation of hydrogen lines in quiescent prominences"  
Heinzel, P., Gouttebroze, P., Vial, J.C.  
Coronal and prominence plasma Workshops (U.S.A. : Airlie, 1985 et Greenbelt, Avril 1986)
23. "Chromospheric seismology"  
Gouttebroze, P.  
IAU Symposium 123 : Advances in Helio- and Asteroseismology (Århus, Denmark, July 1986)
24. "Non-LTE models of solar prominences"  
Heinzel, P., Vial, J.C., Gouttebroze, P., Rompolt, B.  
Contributions of the Astronomical Observatory Skalnaté Pleso, Vol. 15 (1986)
25. "A method for calibrating, in absolute flux units, Ca II H profiles of late-type stars observed at ESO"

- Castelli, F., Gouttebroze, P., Beckman, J., Crivellari, L., Foing, B.  
I.A.U. Symposium 132 (Meudon, France, June-July 1987)
26. "Non-LTE modelling of prominences"  
Heinzel, P., Gouttebroze, P., Vial, J.C.  
Workshop on dynamics and structure of solar prominences (Palma de Mallorca, Spain,  
November 1987)
27. "The diagnostic and modelling of the solar atmosphere through non-LTE radiative transfer :  
Some results and prospects"  
Gouttebroze, P., Vial, J.C., Lemaire, P.  
4th IAP Astrophysics Meeting (Paris, June 1988)
28. "Line formation in the presence of acoustic waves: An application to the Mg II k line"  
Gouttebroze, P.  
SMM Radiative Transfer and Radiative Balance Workshop (Greenbelt, MD, USA, July  
1988)
29. "Visibility of nonradial pulsation modes in solar continuum intensity measurements"  
Toutain, T., Gouttebroze, P.  
Symposium on Seismology of the Sun and Sun-like Stars (Tenerife, Espagne, September  
1988)
30. "Formation of hydrogen lines with partial frequency redistribution"  
Heinzel, P., Vial J.C., Gouttebroze P.  
Atelier "Transfert radiatif" du GDR "Magnétisme dans les étoiles de type solaire" (Paris,  
February 1989)
31. "Radiative transfer in cylindrical prominence threads"  
Gouttebroze, P.  
Colloque UAI 117, "Dynamics of Prominences" (Hvar, Yougoslavia, September 1989)
32. "Multithread structure as a possible solution for the Lyman- $\beta$  problem in solar prominences"  
Vial, J.C., Rovira, M., Fontenla, J.M., Gouttebroze, P.  
Colloque UAI 117, "Dynamics of Prominences" (Hvar, Yougoslavia, September 1989)
33. "The chromospheric Lyman- $\alpha$  core emission of Altair"  
Freire Ferrero, R., Catalano, S., Gouttebroze, P., Marilli, E.  
Symposium ESA "Evolution in Astrophysics" (Toulouse, 29 May - 1st June 1990)
34. "The onset of chromospheres in A type stars : the Altair affair"  
Catalano, S., Gouttebroze, P., Marilli, E., Freire Ferrero, R.  
Colloque UAI 130 "The sun and cool stars, activity, magnetism, dynamos" (Helsinki,  
Finland, 17-21 July 1990)
35. "L'héliosismologie ou l'exploration des profondeurs solaires"  
Gouttebroze, P.  
revue "l'Astronomie", November-December 1990
36. "Chromospheric Lyman- $\alpha$  emission in A-F stars"



- Marilli, E., Bruhweiler, F., Catalano, S., Freire Ferrero, R., Gouttebroze, P., Talavera, A.  
7th Cambridge Workshop on Cool Stars, Stellar Systems and the Sun (Tucson, U.S.A., 9-12  
October 1991)
37. "The onset of chromospheres in A-type stars"  
Freire Ferrero, R., Catalano, S., Marilli, E., Gouttebroze, P.  
CCP7/IoA Workshop "Physics of chromospheres, coronas and winds" (Cambridge, UK, 25-  
27 Mars 1992)
38. "Oscillation mode visibility: An Eulerian approach"  
Gouttebroze, P., Toutain, T.  
"GONG 1992 : Seismic Investigation of the Sun and Stars" (Boulder, USA, 11-14 Août  
1992)
39. "Visibility functions for solar irradiance measurements"  
Toutain, T., Gouttebroze, P.  
"GONG 1992 : Seismic Investigation of the Sun and Stars" (Boulder, USA, 11-14 Août  
1992)
40. "Observed chromospheric profiles compared with new theoretical ones"  
Bocchialini, K., Vial, J.-C., Gouttebroze, P.  
7th european meeting on solar physics (Catania, Italy, 11-15 May 1993)
41. "Effects of ambipolar diffusion on prominence thread models"  
Rovira, M. G., Fontenla, J. M., Vial, J. C., Gouttebroze, P.  
Colloque UAI No. 144 "Solar coronal structures", eds. V. Rusin, P. Heinzel & J.-C. Vial,  
VEDA Pub. Co., Bratislava, p.315
42. "Theoretical correlations between various prominence plasma parameters"  
Heinzel, P., Gouttebroze, P., Vial, J. C. (1994)  
Colloque UAI No. 144 "Solar coronal structures", eds. V. Rusin, P. Heinzel & J.-C. Vial,  
VEDA Pub. Co., Bratislava, p. 439
43. "About small plasmoids propagating in the solar corona"  
Koutchmy, S., Bouchard, O., Grib, S., November, L., Vial, J.-C., Gouttebroze, P.,  
Koutvitsky, V., Molodensky, M., Solov'iev, L., Veselovsky, I. (1994)  
Third SOHO Workshop "Solar Dynamic Phenomena and Solar Wind Consequences", ESA  
Publications
44. "Acoustic wave propagation in chromosphere and transition region"  
Gouttebroze, P., Leibacher, J. W. (1994)  
Programme d'observation pour SUMER extrait de : "The SUMER spectrometer for SOHO",  
ed. K. Wilhelm
45. "Proposal for a joint analysis of GOLF and VIRGO data: Flux vs. velocity phase lags and  
amplitude ratios for p-modes"  
Gouttebroze, P., Toutain, T., Boumier, P., Provost, J., Berthomieu, G., Morel, P. (1995)  
(programme d'observation SOHO)

46. "VIRGO Science Proposal: Gravity modes with the LOI"  
Appourchaux, T., Andersen, B. N., Berthomieu, G., Provost, J., Toutain, T. (1995)  
(programme d'observation SOHO)
47. "VIRGO Science Proposal: Gravity modes with VIRGO/LOI and GOLF"  
Toutain, T., Andersen, B.N., Appourchaux, T., Berthomieu, G., Gouttebroze, P., Grec, G.,  
Provost, J. (1995)  
(programme d'observation SOHO)
48. "Nonadiabatic computations of solar p-modes"  
Gouttebroze, P., Provost, J., Berthomieu, G., Toutain, T., Morel, P.  
Fourth SOHO Workshop, Pacific Grove (USA), 2-6 Avril 1995  
ESA publications SP-376
49. "Predicted intensity/velocity amplitude and phase lag of gravity modes"  
Toutain, T., Berthomieu, G., Provost, J., Gouttebroze, P.  
Fourth SOHO Workshop, Pacific Grove (USA), 2-6 Avril 1995  
ESA publications SP-376
50. "New insights on late-A and early-F stars activity"  
Freire Ferrero, R., Catalano, S., Marilli, E., Gouttebroze, P., Talavera, A., Bruhweiler, F.  
JENAM-95, 25-29 September 1995, Catania (Italy)  
publié dans Astronomy and Astrophysics Transactions (1997)
51. "The chromospheric limit at late A-type stars"  
Catalano, S., Marilli, E., Freire Ferrero, R., Gouttebroze, P., Talavera, A., Bruhweiler, F.  
9th Cambridge Workshop "Cool stars, stellar systems and the sun"  
Firenze (Italy), 3-6 October 1995  
ASP Conference Series, eds. R. Pallavicini and A.K. Dupree
52. "Diagnostic and observations of quiescent and eruptive filaments"  
Vial, J.-C., Gontikakis, C., Bocchialini, K., Gouttebroze, P.  
Assemblée générale de l'UAI, Kyoto (Japon), 1997
53. "Chromospheric oscillations: Observations and modelling"  
Gouttebroze, P., Vial, J.-C.  
JENAM-98, 9-12 September 1998, Prague (Czech Republic)
54. "Transfert de rayonnement à l'Institut d'Astrophysique Spatiale (Orsay)"  
Gouttebroze, P., Labrosse, N.  
Forum GRETA, 17-19 May 1999, Nice
55. "Modelling of helium spectrum in solar prominences"  
Labrosse, N., Gouttebroze, P.  
Proceedings 8th SOHO Workshop "Plasma Dynamics and Diagnostics in the Solar  
Transition Region and Corona"  
Paris, France, 22-25 June 1999  
(ESA SP-446)
56. "Modelling of helium spectrum in solar prominences"

- Labrosse, N., Gouttebroze, P., Vial, J.-C.  
Proc. 9th European Meeting on Solar Physics "Magnetic Fields and Solar Processes"  
Florence, Italy, 12-18 September 1999 (ESA SP-448)
57. "NLTE Diagnostics of Solar Prominences Using Hydrogen and Helium Lines"  
Labrosse, N., Gouttebroze, P.  
Proceedings of the "THEMIS and the New Frontiers of Solar Atmosphere Dynamics"  
Workshop (Rome, Italy, March 19-21, 2001)  
Il Nuovo Cimento C 25, 817-821
58. "Challenges to understand Stellar Chromospheres and Stellar Activity: The limit case of late-A and early-F stars"  
Freire Ferrero, R., Gouttebroze, P.  
Proc. 2nd GRETA Forum "Transfert de Rayonnement et Hydrodynamique"  
Paris, France, 28 November 2001
59. "Prediction of line intensity ratios in solar prominences"  
Gouttebroze, P., Labrosse, N., Heinzel, P., Vial, J.-C.  
Proc. IAU Colloquium 188 "Magnetic Coupling of the Solar Atmosphere"  
Santorini, Greece, 11-15 June 2002
60. "Radiative transfer effects on hydrogen (and helium) in the solar atmosphere"  
Labrosse, N., Li, X., Habbal, S. R., Gouttebroze, P., Mountford, C. J.  
Rapport ESA SP-506, Proc. 10th European Meeting on Solar Physics "Solar Variability:  
From Core To Outer Frontiers"  
Prague, Czech Republic, 9-14 September 2002, p. 13-15
61. "Line profiles and intensity ratios in model prominences with a prominence to corona interface"  
Labrosse, N., Gouttebroze, P., Heinzel, P., Vial, J.-C.  
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