

**Conférences invitées présentées par C. Salomon, depuis 1987.
invited talks since 1987.**

* signifie: conférence invitée présentée par un autre membre du groupe

1. C. Salomon, A. Aspect, J. Dalibard, A. Heidmann, C. Cohen-Tannoudji, General Assembly of the URSI, I, Tel Aviv, 1987, : **Cooling and channeling atoms with stimulated emission.**
2. C. Salomon, J. Dalibard, A. Aspect, H. Metcalf, C. Cohen-Tannoudji, EGAS 20, Graz, 1988: **Cooling and channeling atoms in a laser standing wave.**
3. *J. Dalibard, C. Salomon, A. Aspect, E. Arimondo, R. Kaiser, N. Vansteenkiste, C. Cohen-Tannoudji, Atomic Physics XI, I, (Paris 1988), (1989) p.199: (Haroche, Grynberg, Gay eds, World Scientific): **New schemes in laser cooling.**
4. *W. Phillips, P.D. Lett, S.L. Rolston, C.E. Tanner, R.N. Watts, C.I. Westbrook, C. Salomon, J. Dalibard, A. Clairon, S.Guellati, CPEM, Neuchatel, 90, : **Optical molasses: cold atoms for precision measurements.**
5. *W. Phillips, P.D. Lett, S.L. Rolston, C.E. Tanner, R.N. Watts, C.I. Westbrook, C. Salomon, J. Dalibard, A. Clairon, S.Guellati, EGAS 1990, I, Suède, 1990: conférence invitée (W. Phillips): **Optical molasses: the coldest atoms ever.**
6. C. Salomon, IQEC 90, I, Anaheim, Mai 1990, : **Advances in laser cooling.**
7. C. Salomon, Journées Science et Défense, Mai 1990 : **Le refroidissement laser.**
8. *W. Phillips, P.D. Lett, S.L. Rolston, C.E. Tanner, R.N. Watts, C.I. Westbrook, C. Salomon, J. Dalibard, A. Clairon, S.Guellati, LIKE 1990, C, Ile d'Elbe, Mai 90: **Atoms in optical molasses.**
9. C. Salomon, MOLEC VIII, I, Bernkastel-Kues, Sept. 90 : **Laser manipulation of atomic beams.**
10. *G. Grynberg, J.Y. Courtois, P. Verkerk, D. Grison, B. Lounis, C. Salomon, 10ème Conf. Inter. de Spectroscopie Laser, Font Romeu 1991:
11. C. Salomon, Atomic Physics XII, I, Ann Arbor, 30/7/90, (1991 Zorn and Lewis eds): **Laser cooling of cesium atoms below 3 microkelvins .**
12. C. Salomon, Workshop on Cesium standards, Besançon, 1991: **Laser cooling and trapping of atoms.**
13. *G. Grynberg, P. Verkerk, J.Y. Courtois, C. Salomon, B. Lounis, 2 Frisno, Port Barcares, 1992:
14. C. Salomon, Columbus Conf. on Physics of Matter, Gênes, Juin 1992 : **Laser cooling and trapping of atoms.**
15. C. Salomon, Comité Français de Radioélectricité, Avril 1992: **Atomes refroidis par laser: application aux étalons de temps.**
16. C. Salomon, Congrès de la SFP, I, Caen, Septembre 1992 : **Atomes refroidis par laser: pour quoi faire ?**

17. C. Salomon, Lasertag , Hanovre, Décembre 1992 : ***A few applications of laser cooled atoms.***
18. *G. Grynberg, P. Verkerk, B. Lounis, J.Y. Courtois, C. Salomon, R.W. BOYD , Nonlinear Optics 92, Lahaina, USA 1992:
19. C. Salomon, Research Conf. on Quantum Optics, Davos, Oct.1992: ***Experiments with optically trapped atoms.***
20. C. Salomon, Sixth Eur. Frequency and Time Forum, Noordwijk, 1992: ***Laser cooled atoms in micro-gravity, towards a high performance clock.***
21. C. Salomon, VIIIth Eur.Symp. on Material and Fluid Sciences, (Plenary lecture), Bruxelles, Avril 1992 :***Laser cooling of atoms in micro- gravity.***
22. C. Salomon, Workshop de la Deutsche Forschung Gemeinschaft, Juin 1992: ***on precision spectroscopy with laser manipulated atoms. Laser manipulation of atoms.***
23. C. Salomon, World Space Congress, Washington, Sept. 1992 : ***Laser cooling of atoms in micro-gravity: towards high performance clock.***
24. C. Salomon, XIIIth Intern. Symp. on Molec. Beams, Madrid 1992: ***Laser cooling and trapping of atoms at microkelvin temperatures.***
25. C. Salomon, EQEC Conference, Florence, 1993: ***Crystals of cold atoms in optical molasses.***
26. C. Salomon, Eur. Quantum Electron. Conf., Florence 1993: ***Crystals of cold atoms in optical molasses.***
27. C. Salomon, Gordon Conference, I, Wolfboro, Juillet 1993: ***atoms in optical lattices.***
28. C. Salomon, Journées jeunes chercheurs en physique des particules et des hautes energies Super-Besse, Janvier 1994: ***Le refroidissement laser et quelques applications.***
29. C. Salomon, International symposium on Quantum manipulation of light and matter, Tokyo, November 30, 1994: ***Ultra-stable cold atom clocks.***
30. C. Salomon, CNAM, Bicentenaire, Journée : Le mètre et la lumière Septembre 1994 : ***Atomes froids et horloges ultra-stables.***
31. C. Salomon, Dutch atomic physics and quantum optics division, Amsterdam, November 17, 1994 (plenary talk): ***ultra-cold atom.***
32. C. Salomon, Symposium of the European low gravity association, Madrid, December 1994: ***Cold atoms and micro-gravity clocks.***
33. C. Salomon, 1st Euroconference on Atomic Physics with Stored Highly charged Ions, Heidelberg, March 24-28, 1995: ***(1)Laser cooling of atoms (2) Laser trapping.***

34. C. Salomon, 25th Moriond Conference on dark matter in cosmology, clocks and fundamental tests in physics, Janvier 1995: ***Cesium fountains and micro-gravity clocks.***
35. C. Salomon, Séminaire sur la manipulation d'atomes par laser (SMALA), Lille, Mai 1995: ***2 conferences on laser cooling and trapping of atoms.***
36. C. Salomon, Symposium for the 75th anniversary of URSI, Brussels, April 1995: ***Cold atoms and micro-gravity clocks.***
37. C. Salomon, Italian Congress on Physics of Matter, Napoli, May 27, 1995. (Plenary lecture): ***Spectroscopy of isolated atomic systems.***
38. C. Salomon, J. Reichel, F. Bardou, O. Morice, P. Lemonde, M. Ben Dahan, E. Peik, Rand S., C. Cohen-Tannoudji, Optical Society of America, Portland, USA, September 11th, 1995: ***Subrecoil cooling of cesium atoms to nanoKelvin temperatures.***
39. C. Salomon, M. Arndt, J. Dalibard, P. Desbiolles, W. Hänsel, P. Lemonde, O. Morice, E. Peik, H. Perrin, J. Reichel, A. Steane and P. Szriftgiser, 5th Symposium on Frequency Standards and Metrology, Woodshole, MA, USA, October 1995: ***Atomic Cavities and Traps.***
40. C. Salomon, M. Arndt, J. Dalibard, P. Desbiolles, W. Hänsel, P. Lemonde, O. Morice, E. Peik, H. Perrin, J. Reichel, A. Steane and P. Szriftgiser, Groupe de recherche sur la gravitation expérimentale, Grasse, Octobre 1995: ***Cavités et optique atomiques.***
41. C. Salomon, J. Reichel, F. Bardou, O. Morice, P. Lemonde, M. Ben Dahan, E. Peik, Rand S., H. Perrin, A. Khun, C. Cohen-Tannoudji, French-Brazilian colloquium on quantum optics, Rio de Janeiro, January 1996: ***Subrecoil cooling of cesium atoms to nanoKelvin temperatures and atom traps.***
42. C. Salomon, Danish Physical Society, Nyborg, May 23, 1996: ***Bose-Einstein Condensation of Atoms.***
43. C. Salomon, International Conference on Metrology and fundamental constants, Les Houches, June 4, 1996: ***Cold Atoms and ultra-stable clocks.***
44. M. Ben Dahan, E. Peik, J. Reichel, Y. Castin, C. Salomon, 15th Int. Conf. on Atomic Physics, (ICAP), Amsterdam, August 1996: ***Bloch Oscillations of Atoms in a Optical Potential.***
45. C. Salomon, Conf. of the Union of Radio-Science Int., Lille, Septembre 1996: ***Cold Atoms and ultra-stable clocks.***
46. C. Salomon, P. Laurent, E. Simon, G. Santarelli, A. Clairon, P. Lemonde, P. Petit, N. Dimarcq, C. Audouin, F. Gonzalez, F. Jamin-Changeart, NASA-NSF workshop on laser cooling and atomic physics in space, October 1996: ***PHARAO: a space clock with cold cesium atoms.***
47. C. Salomon, P. Laurent, E. Simon, G. Santarelli, A. Clairon, P. Lemonde, P. Petit, N. Dimarcq, C. Audouin, F. Gonzalez, F. Jamin-Changeart, JPL Workshop on Space Clocks, Pasadena, USA, November 1996: ***PHARAO: a space clock with cold cesium atoms.***

48. C. Salomon, P. Laurent, E. Simon, G. Santarelli, A. Clairon, P. Lemonde, P. Petit, N. Dimarcq, C. Audouin, F. Gonzalez, F. Jamin-Changeart, Journées internationales sur les vols paraboliques, Bordeaux, Septembre 1996: ***PHARAO: Une horloge à atomes froids dans l'espace.***
49. *J. Söding, R. Grimm, Y. Ovchinnikov, Ph. Bouyer, C. Salomon, EQEC 1996, Hamburg, Germany, September 1996: ***Atomic beam deceleration with the stimulated bichromatic force.***
50. *M. Ben Dahan, E. Peik, J. Reichel, Y. Castin, C. Salomon, EQEC 1996, Hamburg, Germany, September 1996: ***Bloch Oscillations of Atoms in a Optical Potential .***
51. C. Salomon, P. Lemonde, P. Laurent, E. Simon, G. Santarelli, A. Clairon, P. Petit, N. Dimarcq, C. Audouin, F. Gonzalez, F. Jamin-Changeart, first symposium on the utilisation of the international space station, Darmstadt, October 1996: ***PHARAO: a cold atom clock in micro-gravity.***
52. C. Salomon, C. Veillet, first symposium on the utilisation of the international space station, Darmstadt, October 1996: ***ACES: Atomic Clock Ensemble in Space.***
53. C. Salomon, M. Ben Dahan, E. Peik, I. Bouchoule, J. Reichel, Y. Castin, Les Houches school on atoms and electrons in periodic and quasi-periodic lattices, January 27-31, 1997: ***Bloch Oscillations of Atoms in a Optical Potential .***
54. C. Salomon, M. Arndt, M. Ben Dahan, D. Guery-Odelin, J. Söding, P. Desbiolles, M. Reynolds, J. Dalibard, P. Lemonde, P. Laurent, E. Simon, S. Ghezali, G. Santarelli, S. Bize, A. Clairon, N. Dimarcq, P. Petit, C. Audouin, 13th Int. Conf. on Laser Spectroscopy, Hang Zhou, China, June 1997: ***Recent Advances in Laser Cooling and trapping.***
55. C. Salomon, Fundamental Physics in Space, Alpbach Summer School (Austria), July 1997: ***Clocks in Space.***
56. C. Salomon, Physique en Herbe 1997, Caen, July 1997: ***Cold Atoms and ultra-stable Clocks.***
57. C. Salomon, Bose Einstein Condensation, Castelvecchio Pascoli (Italy), July 1997: ***Laser Cooling: recent developments and prospects for Bose degeneracy.***
58. C. Salomon, P. Lemonde, P. Laurent, E. Simon, G. Santarelli, A. Clairon, N. Dimarcq, P. Petit, C. Audouin, Les Houches Workshop on Gravitation and experiment, Septembre 1997: ***Fundamental tests with ultra-stable clocks.***
59. C. Salomon, ESA-UE workshop; ESTEC; Noordwijk, Mai 1998: ***Cold atom clocks in space.***
60. C. Salomon, Frequency Control Symposium, Pasadena, Mai 1998: ***PHARAO : a cold atom clock in Space.***
61. C. Salomon, COSPAR 1998, July, Nagoya, Japan, July 1998: ***ACES: ultra-stable clocks in space.***
62. C. Salomon, Around VIRGO symposium, Tyrrhenia, Italy, September 1998: ***Ultra-cold atoms.***

63. *A. Khun, H. Perrin, I. Bouchoule, C. Salomon, EQEC 1998, Glasgow, September 1998: ***Sideband cooling of neutral atoms in a far detuned optical lattice.***
64. C. Salomon, conference of the Australian Institute of Physics, Fremantle, Western Australia, October 1998, plenary lecture: ***Ultra-cold atoms.***
65. C. Salomon, Optical frequency measurement and synthesis workshop, Fremantle, Western Australia, October 1998: ***Recent progress on cold atom clocks.***
66. *P. Lemonde, P. Laurent, E. Simon, G. Santarelli, A. Clairon, N. Dimarcq, C. Audouin, P. Petit, L.G. Bernier, G. Busca, C. Salomon, Conference on Precision Electromagnetic Measurements, Washington, USA, 1998: ***Test of a cold atom clock prototype in absence of gravity.***
67. *A. Clairon, G. Santarelli, P. Laurent, P. Lemonde, M. Abgrall, F. Pereira dos Santos, Y. Sortais, S. Bize, M. Santos, Zhang, C. Mandache, A. Mann, A. Luiten, S. Chang and C. Salomon, 1999 Moriond Conference on Gravitational Waves and experimental gravity, Les Arcs, January 1999: ***Recent Progress on Cold Atom Clocks.***
68. C. Salomon, G. Santarelli, P. Laurent, P. Lemonde, M. Abgrall, F. Pereira dos Santos, Y. Sortais, S. Bize, M. Santos, Zhang, C. Mandache, A. Clairon, A. Mann, A. Luiten, S. Chang, 14th Int. Conf. on Laser spectroscopy, Innsbruck, Austria, June 1999: ***Cold Atom Clocks on Earth and in Space.***
69. C. Salomon, G. Santarelli, P. Laurent, P. Lemonde, M. Abgrall, F. Pereira dos Santos, Y. Sortais, S. Bize, M. Santos, Zhang, C. Mandache, A. Clairon, A. Mann, A. Luiten, S. Chang, Gordon Conference on on gravitational effects in physico-chemical systems, June 1999: ***Ultra-stable Clocks in Space.***
70. *P. Lemonde, P. Laurent, G. Santarelli, M. Abgrall, Y. Sortais, S. Bize, M. Santos, Zhang, A. Clairon, A. Mann, C. Salomon, Gravitation frontiers symposium and experimental gravitation, Samarkand, Uzbekistan, 1999: ***Cold Atom Clocks: new tools for tests of general relativity.***
71. C. Salomon, G. Santarelli, P. Laurent, P. Lemonde, M. Abgrall, F. Pereira dos Santos, Y. Sortais, S. Bize, M. Santos, Zhang, C. Mandache, A. Clairon, A. Mann, A. Luiten, S. Chang: NASA Conference on fundamental physics in space, Washington, April 1999: ***Cold Atom Clocks in Space.***
72. C. Salomon, 7 invited lectures at the winter graduate school on atom traps, ion traps and optical tweezers, Solbacka, Sweden 2-5 November 1999: ***Light forces, (2) cooling of atoms, (3) subrecoil cooling, (4) atom trapping, (5) Bose-Einstein Condensation, (6) atom interferometry, (7) high precision measurement and clocks.***
73. C. Salomon, I. Bouchoule, M. Morinaga, J.C. Karam, Winter School on fundamentals in Quantum optics, Kühtai, Austria, January 2000: ***manipulation of motional quantum states.***
74. C. Salomon, ESA-CERN Workshop on fundamental physics in Space, Geneva, April 5-7 2000: ***ACES : Atomic Clock Ensemble in Space.***

75. C. Salomon, P. Lemonde, P. Laurent, G. Santarelli, M. Abgrall, Y. Sortais, S. Bize, C. Nicolas, Zhang S., C. Mandache, A. Clairon, N. Dimarcq, A. Mann, A. Luiten, S. Chang, 2000 International Conference on Atomic Physics, Firenze, June 5-9, 2000: ***Cold Atom Clocks.***
76. C. Salomon, Workshop of the Deutsche Forschung Gemeinschaft on Quantum Transport, Guenzburg, Allemagne, June 26-28, 2000: ***Quantum manipulation of trapped atoms.***
77. C. Salomon, NASA Workshop on fundamental physics in space, Solvang, California, USA, June 19-21, 2000: ***ACES: Atomic clock ensemble in space.***
78. C. Salomon, G. Ferrari, F. Schreck, K. Corwin, J. Cubizolles, M.O. Mewes, 6th workshop on atom optics and interferometry, July 26-29, 2000: ***Progress toward a degenerate Fermi gas of lithium.***
79. C. Salomon, Colloque de la division de Physique atomique et moléculaire de la société Française de physique, PAMO 2000, Lyon 10-13 Juillet 2000: ***Les horloges à atomes froids.***
80. *G. Ferrari, F. Schreck, M.O. Mewes, K. Corwin, C. Salomon, Int. Conf. on Quantum elect., Nice, sept 11, 2000: ***Progress on sympathetic cooling of fermionic lithium towards quantum degeneracy.***
81. C. Salomon, Journées scientifiques du GREX, Grasse, 10-12 octobre 2000: ***La mission ACES.***
82. C. Salomon, G. Ferrari, F. Schreck, M.O. Mewes, J. Cubizolles, L. Khaykovich, K. CORWIN, C. Salomon, Snowbird Conf. On Quantum optics, USA, January 8-11, 2001: ***Sympathetic cooling of fermionic lithium towards quantum degeneracy.***
83. C. Salomon, Journées scientifiques de l'ONERA, Châtillon, 18-19 Janvier 2001: ***La mission ACES.***
84. C. Salomon, Conférences sur la mise en place des TPE dans les lycées, ENS Cachan, 14 mars 2001, Temps, rythmes et périodes: ***Les horloges à atomes froids.***
85. C. Salomon, 15th European Time and Frequency Forum, Neuchâtel, 6-8 mars 2001, special session on ACES: ***Science aspects of ACES.***
86. C. Salomon, DAMOP 01, Toronto, Canada, May 16, 2001: ***Cold atom clocks and fundamental tests.***
87. C. Salomon, F. Schreck, K. Corwin, L. Khaykovich, T. Bourdel, J. Cubizolles, 15th Int. Conf. on Laser Spectroscopy, Snowbird, USA, June 2001: ***Mixtures of quantum degenerate lithium gases.***
88. C. Salomon, F. Schreck, L. Khaykovich, K. Corwin, T. Bourdel, J. Cubizolles, European Conf. on Bose-Einstein Condensation, San Feliu, Spain, September 2001: ***Mixtures of quantum degenerate lithium gases.***
89. C. Salomon, 5th Symposium on frequency standards and metrology, St Andrews, Scotland, September 2001: ***Cold atom clocks in space.***

90. C. Salomon, European Conf. on Quantum Optics, San Feliu, Spain, October 2001: ***Cold atom clocks and fundamental tests.***
91. C. Salomon , Satellite navigation and positioning world show, Nice, November 13-15,2001: ***ACES: Atomic Clock Ensemble in Space.***
92. C. Salomon, OPTRO 2002 international symposium, Paris, January 14-16, 2002, plenary talk: ***Cold atom clocks.***
93. C. Salomon, L. Khaykovich, F. Schreck, G. Ferrari, T. Bourdel, J. Cubizolles, L. Carr, Y. Castin, Second Int. workshop on Cold Molecules, Les Houches, March 4-8, 2002: ***Ultra-cold Bose and Fermi gases: playing with Feshbach resonances .***
94. C. Salomon, 19th general Conference of the EPS Condensed Matter Division and CMMP 2002, Brighton, April 9, 2002: ***Ultracold Bose and Fermi gases.***
95. C. Salomon, Plenary Lecture at Danish Physical Society meeting 2002,Copenhagen, Danemark, 30 mai 2002 : ***Ultra-cold Bose and Fermi gases.***
96. C. Salomon, Plenary Lecture at the Conference on Precision Electromagnetic Measurements (CPEM 2002), Ottawa, Canada, 16-21 juin 2002: ***Cold Atom Clocks, Applications and Perspectives.***
97. C. Salomon, L. Khaykovich, F. Schreck, G. Ferrari, T. Bourdel, J. Cubizolles, L. Carr, Y. Castin, Second Meeting of the Stanford-ENS (Quantum Entanglement Projet),Paris, France, 20 juin 2002: ***Ultracold mixtures of Bose and Fermi gases.***
98. C. Salomon, International Quantum Electronics Conference /Conference on Lasers, Applications, and Technologies (IQEC/LAT 2002), Moscou, Russie, 22-28 juin 2002: ***Cold atom space clocks and fundamental tests.***
99. C. Salomon, L. Khaykovich, F. Schreck, G. Ferrari, T. Bourdel, J. Cubizolles, L. Carr, Y. Castin, Recent Developments in the physics of cold atomic gases (BEC 2002), Trento, Italie, 15-18 juillet 2002: ***Ultra-cold mixtures of Bose and Fermi Lithium gases.***
100. C. Salomon, L. Khaykovich, F. Schreck, G. Ferrari, T. Bourdel, J. Cubizolles, L. Carr, Y. Castin, Eighteenth International Conference on Atomic Physics (ICAP 2002), Cambridge, Massachusetts, USA, 28 juillet-2 août 2002: ***Ultra-cold mixtures of Bose and Fermi gases.***
101. C. Salomon, XXVIIth General Assembly of International Union of Radio Science (URSI), Maastricht, Pays Bas, 17-24 août 2002, tutorial lecture: ***Cold Atom Fountain Clocks.***
102. C. Salomon, Gravitation and Experiment (GREX 2002), Pise, Italie, 6-10 octobre 2002: ***Cold Atom Space Clocks : ACES and fundamental tests.***
103. *L. Khaykovich, F. Schreck, G. Ferrari, T. Bourdel, J. Cubizolles, L. Carr, Y. Castin, C. Salomon, 23rd Int. Conf. on Low temperature physics, Hiroshima, Japan, 20-25 Août 2002: ***Mixtures of cold Bose and Fermi gases.***
104. *L. Khaykovich, Int. Quantum Electronics Conference Conference on Lasers, Applications, and Technologies (IQEC/LAT 2002), Moscou, Russie, 22-28 juin 2002 : ***Mixtures of cold Bose and Fermi gases.***

105. *F. Schreck, 7th Int. workshop on atom optics and interferometry, Lunteren, Pays-bas, 29 Septembre-2 octobre 2002: **Mixtures of cold Bose and Fermi gases.**
106. C. Salomon, HYPER Symposium 1 : Fundamental Physics and Applications of cold atoms in space, Paris, 4-6 Novembre 2002 : **Microwave Clocks on ground and in space.**
107. C. Salomon, T. Bourdel, J. Cubizolles, S. Kokkelmans, L. Khaykovich, F. Schreck, G. Ferrari and K. Corwin, Symposium "Les Atomes froids et l'informatique quantique", Collège de France, Paris, 7 Février 2003: **Gaz de fermi ultra-froids.**
108. *J.Cubizolles, T. Bourdel, L. Khaykovich, K. Magalhes, S. Kokkelmans, G. Shlyapnikov and C. Salomon, Obergurgl meeting on Quantum Optics, Obergurgl, Autriche, 23 fév-1^{er} mars 2003: **Strongly interacting ultra-cold Fermi gases.**
109. C. Salomon, T. Bourdel, J. Cubizolles, F. Schreck, L. Khaykovich, K. Corwin, G. Ferrari, L. Carr and Y. Castin, Euro Summer School on Quantum gases in Low Dimensions, les Houches, 15-25 avril 2003: **Bose and Fermi gases in Anisotropic Traps**
110. C. Salomon, F.C.S./E.F.T.F. International Conference, Tampa, USA, 4-8 mai 2003: **Onboard The Intenational Space Station.**
111. *S. Kokkelmans, 34th Meeting of the Division of Atomic, Molecular and Optical Physics (DAMOP), Boulder, USA, 20-24 May 2003: **Atoms and molecules in a Bose-Einstein condensate with strong interactions.**
112. C. Salomon, T. Bourdel, J. Cubizolles, L. Khaykovich, K. Magalhaes, S. Kokkelmans, CLEO/QELS 2003, Baltimore, USA, 1-6 juin 2003: **Quantum degenerate Fermi and Bose gases.**
113. C. Salomon, T. Bourdel, J. Cubizolles, K. Magalhaes, S. Kokkelmans, G. Shlyapnikov, CLEO/EQEC Europe, Munich, Allemagne, 23-27 juin 2003: **Quantum degenerate Fermi and Bose gases.**
114. *S. Bize, H. Marion, F. Pereira dos Santos, M. Abgrall, S. Zhang, Y. Sortais, L. Maksimovic, D. Calonico, J. Grünert, C. Mandache, P. Lemonde, G. Santarelli, Ph. Laurent, A. Clairon and C. Salomon, International Seminar, 302 W.E. Heraeus "Astrophysics, Clocks and Fundamental constants", Bad Honnef, Allemagne, 16-18 juin 2003 : **Cold Atom Clocks and Fundamental tests.**
115. *J. Cubizolles, T. Bourdel, S. Kokkelmans, G.V. Shlyapnikov, C. Salomon, 16th International Conference on Laser Spectroscopy (ICOLS), Palm Cove, Australie, 12-18 July 2003: **Fermion boson mixtures.**
116. *S. Bize, P. Wolf, M. Abgrall, L. Cacciapuoti, A. Clairon, J. Grünert, Ph. Laurent, P. Lemonde, A.N. Luiten, I. Maksimovic, C. Mandache, H. Marion, F. Pereira Dos Santos, P. Rosenbusch, C. Salomon, G. Santarelli, Y. Sortais, M.E. Tobard, C. Vian, and S. Zhang, 16th International Conference on Laser Spectroscopy (ICOLS), Palm Cove, Australie, 12-18 July 2003: **Cold Atom Clocks, Precision Oscillators and Fundamental Tests.**
117. C. Salomon, B.I.P.M. International Metrology Summer School, (3 conférences), Paris, 21 juil.-1^{er} août 2003: **Cold atoms-Bose-Einstein condensation and Clocks.**

118. C. Salomon, Quantum Challenges II, Varsovie, Pologne, 4-7 sept.2003: ***Formation of Long-Lived ultracold Li_2 molecules.***
119. C. Salomon, QuAMP, Milton Keynes, Royaume Uni, 8-9 sept. 2003 : ***Quantum degenerate Fermi gases.***
120. C. Salomon, J. Cubizolles, T. Bourdel, S. Kokkelmans, G.V. Shlyapnikov, B.E.C. Euresco programme, San Feliu de Guixols, Espagne, 13-18 sept. 2003: ***Formation of lithium 6 molecules from an ultracold Fermi gases.***
121. C. Salomon, I.A.C., 54th International Astronautical Congress, (plenary talk) Brême, Allemagne, 29 Sept.-3 Oct. 2003: ***Fundamental Physics in space.***
122. C. Salomon, ERICE 2003, International school of solid state physics-30th Workshop – Symmetry and heterogeneity in high temperature superconductors, Erice, Sicile, 8-9 oct. 2003: ***Ultracold Fermi gases.***
123. C. Salomon, International Workshop on ATOMIC PHYSICS, Dresde, Allemagne 2-4 Dec.2003: ***Ultracold Fermi gases : From molecular Bose-Einstein condensation to BCS pairing.***
124. C. Salomon, Workshop on Ultracold Fermi Gases, Levico, Italie, 4-6 March 2004: ***Bose-Einstein Condensation of 6Li_2 fermion dimers near a Feshbach resonance.***
125. C. Salomon, Keynote talk at 10th Young Atom Opticians Conference (YAO), Innsbruck; Autriche, 13-17 March 2004: ***Ultracold Fermi gases.***
126. C. Salomon, German Physical Society meeting, Munich, Allemagne, 24-26 March 2004: ***Ultra-cold Fermi Gases From Bose-Einstein Condensation of Molecules to Fermi Superfluidity.***
127. C. Salomon, Conference on Frontiers of Quantum Gases, Santa Barbara, USA, 8-14 May 2004: ***Expansion of a 6 Li Fermi gas in the BEC-BCS crossover region.***
128. C. Salomon, 35th Meeting of the Division of Atomic, Molecular and Optical Physics (DAMOP), APS meeting, Tucson, USA, 25-29 May 2004: ***Bose-Einstein Condensation of 6 Li_2 Fermion Dimers near a Feshbach Resonance.***
129. C. Salomon, 22nd IUPAP International Conference on Statistical Physics (STATPHYS 22), Bangalore, Inde, 4-9 July 2004: ***From Bose-Einstein Condensation of Molecules to BCS Pairing in Ultra-Cold Fermi Gases.***
130. C. Salomon, 35th COSPAR Scientific Assembly, Paris, 18-25 July 2004: ***Cold Atoms Clocks in Space : Pharao and Aces.***
131. *T. Bourdel, Workshop on mixtures of ultracold atoms, Sao Paulo, Brésil, 19-23 July 2004: ***BEC of molecules and a study of the BEC-BCS crossover region in lithium 6.***
132. C. Salomon, International Conference on Atomic Physics (ICAP 2004), Rio de Janeiro, Brésil, 26-30 July 2004: ***Fermionic Molecules Towards BCS Transition.***
133. C. Salomon, Royal Society Discussion Meeting, Londres, Royaume Uni, 14-15 February 2005: ***Cold atom clocks and tests of fundamental theory.***

134. C. Salomon, "Quantum optics and quantum foundations workshop, Bilbao, Espagne, 15-17 March 2005 (série de 4 cours): ***Clocks and fundamental measurements/superfluidity in Fermi gases.***
135. C. Salomon, Workshop Quantum Mechanics for Space, ESA-ONERA, Châtillon, 30 mars-1^{er} avril 2005: ***Clocks in Space, Fundamental tests.***
136. C. Salomon, IoP2005 : Physics, a century after Einstein, Warwick, Royaume Uni, 10-14 April 2005: ***Bose-Einstein and Fermi statistics in ultracold gases.***
137. C. Salomon, Workshop on Strongly-Interacting Quantum Gases, Columbus (Ohio), USA, 18-21 April 2005: Ultracold Fermi gases : ***from Bose-Einstein Condensation of molecules to Cooper pairs.***
138. C. Salomon, QuPON2005 "Quantum Physics of nature", Vienne, Autriche, 22-26 May 2005: Ultracold Fermi gases : ***from Bose-Einstein Condensation of Molecules to Cooper Pairs.***
139. C. Salomon, Atomic Physics Gordon Conference, Tilton, USA, 26 June-1st July 2005: ***BEC/BCS crossover in ultracold Fermi gases.***
140. C. Salomon, COLOQ9, Dijon, 7-9 septembre 2005: ***Superfluidité dans les gaz de Fermi ultra-froids.***
141. C. Salomon, BEC 2005, San Feliu de Guixols, Espagne, 10-15 septembre 2005: ***Experiments in the BEC-BCS crossover with lithium atoms.***
142. C. Salomon, ACES Workshop – Atomic Time in Space, Noordwijk, Pays Bas, 10-11 October 2005: ***ACES – Sciences Objectives.***
143. C. Salomon, journées GREX- Gravitation et Expérience 2005, Paris, 12-14 octobre 2005: ***Pharao/Aces: Ultra stable space clocks, fundamental physics and applications.***
144. C. Salomon, Minerva workshop on Quantum Atom Optics, Eilat, Israel, 30 oct-2 novembre 2005: ***Ultracold Fermi gases : from Bose-Einstein Condensation of Molecules to Cooper pairs.***
145. C. Salomon, Neuvième rencontre "Physique et interrogations fondamentales", Paris, 16 novembre 2005: ***Des expériences de pensée aux expériences spatiales.***
146. C. Salomon, Banff Cold Atom Meeting (BCAM2006), Banff, Canada, 23-28 février 2006 : ***Experiments in the BEC-BCS Crossover with Lithium 6 Atoms.***
147. *F. Chapelet, S. Bize, P. Wolf, G. Santarelli, P. Rosenbusch, M.E. Tobar, C. Salomon and A. Clairon, 20th European Frequency and Time Forum (EFTF), Braunschweig, Allemagne, 27-30 mars 2006: ***Recent results of Syrte atomic fountains and investigation of the distributed cavity phase shift.***
148. *Ph. Laurent, M. Abgrall, Ch. Jentsch, A. Clairon, P. Lemonde, G. Santarelli, C. Salomon, C. Sirmain, F. Picard, Ch. Delaroche, O. Grosjean, M. Saccoccio, D. Blonde, M. Chaubet, L. Guillier, J.F. Vega, I. Zenone, N. Ladiette, 20th European Frequency and Time Forum (EFTF), Braunschweig, Allemagne, 27-30 mars 2006:

Experimental measurements on the engineering model of the space clock Pharao.

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150. C. Salomon, L. Cacciapuoti, N. Dimarcq, IGS Conference 2006 ESA, Darmstadt, Allemagne, 11-12 mai 2006: ***The ACES Mission.***
151. C. Salomon, International Conference "From Quantum to Cosmos: Fundamental Physics Research in Space", Washington, USA, 22-24 mai 2006: ***The ACES Mission and Fundamental Physics.***
152. *L. Tarruell, Martin Teichmann, Jason McKeever, K. Magalhaes, S. Nascimbene, J. Zhang, T. Bourdel, L. Khaykovich, F. Chevy, C. Salomon, International school on ultracold Fermi gases, Varenna, Italie, 20-30 juin 2006: ***Expansion of a lithium gas in the BEC-BCS crossover.***
153. C. Salomon, 11th Marcel Grossmann Meeting on General Relativity, Berlin, Allemagne, 25 juillet 2006: ***ACES: ultra-stable Clocks in Space. Fundamental Physics and Applications.***
154. C. Salomon, University of Firenze, school on Advances in precision tests and experimental gravitation in space. 4 lectures on ***Cold Atoms, Bose-Einstein Condensation, Interferometry and Clocks*** (september 2006)
155. C. Salomon, International Workshop on Optical Frequency Combs for Space (OFCS), Teddington, Royaume Uni, 2-3 octobre 2006: ***Clocks in Space: Applications and Challenges.***
156. C. Salomon, Workshop on an Optical Clock Mission in ESA's Cosmic Vision Program, Dusseldorf, Allemagne, 8-9 mars 2007: ***Fundamental Physics with Space Clocks: ACES and Perspectives.***
157. C. Salomon, conference invitee au K.I.T.P., Santa Barbara, USA, 23-27 avril 2007: ***Unitary Fermi gas - Phase diagram and Raman spectroscopy.***
158. C. Salomon, Workshop on Quantum Gases, Paris, IHP, 11 mai 2007: ***BEC-BCS crossover: experiments.***
159. C. Salomon, Workshop "From quantum to cosmos II" Q2C2 – Space-based research in fundamental physics and quantum technologies- Breme, Allemagne, 10-13 juin 2007: ***Fundamental Physics with ultrastable Space Clocks.***
160. C. Salomon, cours dans le cadre de l'Ecole Internationale de Physique "Enrico Fermi" – 2 Lectures on Atoms Optics and Space Physics (CLXVIII), Varenna, Italie, 9-12 juillet 2007: ***Cold Atom clocks on Earth and in Space Fundamental tests and applications.***

161. C. Salomon, *2007 lectures in physics of the Onassis foundation, Heraklion (Crete), July 23-27, 2007, 2 lectures, 1) Tuning interaction in ultracold Bose and Fermi gases, 2) Tunable Fermi gases, experiments in the BEC-BCS crossover*
162. C. Salomon, Time and Matter symposium, Bled, Slovénie, 26-31 août 2007, *cold atom clocks and fundamental tests*
163. C. Salomon, Gordon Conférence on Superconductivity, Les Diablerets, Suisse, 9-14 septembre 2007, ***Ultracold Fermi gases : Experiments in the BEC-BCS crossover***
164. C. Salomon, BEC 2007 Conference (san Feliu, Spain), September 16-21 (2007) ***Measuring the Fermi surface and one particle excitations in interacting Fermi gases using Raman spectroscopy***
165. C. Salomon, plenary talk at the 1st colloquium on scientific and fundamental applications of the GALILEO program, Toulouse Oct 1st-oct 4, 2007 ***Cold atom clocks in space and fundamental tests***
166. C. Salomon, Les Houches school on fundamental constants and units, October 1-10 (2007) ***Cold atom space clocks and fundamental tests***
167. C. Salomon, 2nd ESA International workshop on Optical Atomic Clocks, Frascati, Italy, October 10-12, 2007 ***Space Clocks: status and applications***
168. C. Salomon, SCALA annual workshop, Mainz University, Germany, January 23-25 2008, ***Quantum simulation with ultracold atoms***
169. C. Salomon, Nanocold Matter Workshop, University of Toronto, Canada, February 14-16, 2008, ***Ultracold Fermi gases: recent advances***