

Invited talks since 1987
Conférences invitées présentées par C. Salomon depuis 1987

- *signifie: conférence invitée présentée par un autre membre du groupe*
- 1. C. Salomon, ***High precision clocks and fundamental tests***, QUEST II workshop, Bar-Ilan University, Israel, December 16-18th 2019
- 2. C. Salomon, ***ACES Science***, ACES workshop, Paris Observatory, October 28-29th 2019
- 3. C. Salomon, ***Precision Quantum measurements on Earth and in space***, ESA workshop on open questions on quantum mechanics, November 14-15th 2019
- 4. C. Salomon, ***Measuring Tan's contact in a strongly interacting Fermi gas***, Workshop Many-body Physics with ultracold atoms and beyond, Munich, September 5-6th 2019
- 5. C. Salomon, ***Space Clocks and fundamental tests***, Ringberg (DE) August 26-30th ,2019
- 6. C. Salomon, ***The many ways to measure Tan's contact, Lifetime of an ultracold Bose-Fermi mixture***, Quantum mixtures workshop, Trento, July 15th, 2019
- 7. C. Salomon, ***Quantum simulation with ultracold fermions***, QLIN 19, Maratea, Italy, July 12, 2019
- 8. C. Salomon, ***Quantum simulation***, Société Française de physique, Nantes, July 10, 2019
- 9. C. Salomon, ***Dual Bose Fermi Superfluids***, Compound atomic quantum systems, Lorentz Center, Leiden University, May 21, 2019
- 10. C. Salomon, ***Dual Bose Fermi Superfluids***, INT-19 on quantum turbulence, Washington University, Seattle, March 27, 2019
- 11. C. Salomon, ***Quantum simulation***, Institut Henri Poincaré, Colloque Bourbaphy « l'information », Paris, November 17th, 2018
- 12. C. Salomon, ***Ultracold Fermi gases, status and perspectives***, CNRS GDR meeting, Orsay, November 12, 2018
- 13. C. Salomon, ***Quantum One, two, three, many: the lifetime of a dual Bose Fermi superfluid mixture***, Quantum Gases Tsinghua, Beijing, China, August 22-24, 2018
- 14. C. Salomon, ***Time measurement in the 21st century***, (Plenary Talk) European Scientific Open Forum, Toulouse, July 12, 2018
- 15. C. Salomon, ***Lasers, atomes froids, et mesure du Temps***, (Plenary Talk) Société Française d'optique, Toulouse, July 6, 2018
- 16. C. Salomon, ***Quantum simulation with ultracold atoms***, Quantum Complex Matter-2018, Frascati (IT), June 14, 2018

17. C. Salomon, ***La mesure du temps aujourd'hui et demain***, Comité Science et métrologie de l'académie des sciences, Paris, June 6, 2018
18. C. Salomon, ***Quantum simulation with ultracold atoms***, SPIE, Strasbourg, April 24, 2018
19. C. Salomon, ***Superfluidité des gaz atomiques ultrafroids***, Académie des sciences, Paris, March 27, 2018
20. C. Salomon, ***Cold Atoms on Earth and in Space***, 275th anniversary of the Friedrich Alexander University, Erlangen (DE), January 19, 2018
21. C. Salomon, ***Fundamental Tests with ultrastable clocks***, Plenary talk, Brazilian Metrology Symposium, Fortaleza, November 28, 2017
22. C. Salomon, ***Quantum simulation***, GDR IQFA 8, Nice , November 29- December 1st, 2017
23. C. Salomon, ***Dual Bose Fermi Superfluids***, International conference on quantum simulation, Paris, November 13-17, 2017
24. C. Salomon, ***Dual Bose Fermi Superfluids***, quantum Science symposium, City University of Hong-Kong, Hong-Kong, November 9 2017
25. C. Salomon, ***Tests de physique fondamentale***, Les 50 ans de la seconde, Observatoire de Paris, FR, October 13, 2017
26. C. Salomon, ***La mesure du Temps, passé, présent, et avenir***, les 10 ans du LTF, Neuchâtel, CH, October 26, 2017, Public lecture
27. C. Salomon, ***Many-body Physics with quantum gases***, Okinawa Summer School on quantum dynamics, 3 lectures of 90 min, Sept 26-October 6, 2017
28. C. Salomon, ***Quantum simulation***, SIRTEQ quantum Technologies workshop, Palaiseau, Sept14-15, 2017
29. C. Salomon, ***Metrology and Space***, Congrès international de Métrologie, Paris, porte de Versailles, Sept 19-21, 2017
30. C. Salomon, ***Dual Bose- Fermi superfluids***, BEC 2017 Conference, Sant Feliu de Guixols, (SP) Sept 2-7, 2017
31. C. Salomon, ***Dual Bose- Fermi superfluids***, FQMT 2017, Prague, July 10-14 2017
32. C. Salomon, ***La mesure du Temps, passé, présent, et avenir***, Int. Conf. on Laser Spectroscopy, Arcachon, (FR) July 2-7, 2017 Public lecture
33. C. Salomon, ***the ACES mission***, ACES workshop, Zürich, (CH) June 29-30, 2017
34. C. Salomon, ***Dual Bose- Fermi superfluids***, DAMOP, plenary session, Sacramento, USA, June 5-10, 2017

35. C. Salomon, ***Dual Bose- Fermi superfluids***, Final workshop of the DFG TRR21, Lenovo di Menaggio, (IT) April 3-6, 2017
36. C. Salomon, ***Time Measurement in the 21st Century***, inauguration workshop of the DQ-Mat SFB, “designed quantum states of matter”, Hannover, (DE), November 29, 2016
37. C. Salomon, ***Dynamics of a Bose- Fermi superfluid mixture***, Int. Conference on Atomic Physics, Seoul (Korea), July 22-29, 2016
38. C. Salomon, ***Dynamics of a Bose- Fermi superfluid mixture***, workshop on dynamics and transport in quantum gases, Cergy-Pontoise, (FR), June 20-23, 2016
39. C. Salomon, ***Equation of State and superfluid flow in a Bose-Fermi gas mixture***, ECT* workshop on equation of state in quantum matter, Trento, (IT), May 30-June 1, 2016
40. C. Salomon, ***La mesure du temps, passé, présent et avenir***, Colloque 100 ans de révolutions quantiques, académie des sciences, Paris, 24 mai 2016
41. C. Salomon, ***Bose and Fermi superfluids***, conference Frontiers in ultracold Fermi Gases, Florence, (IT), March 23, 2016
42. C. Salomon, ***La mesure du temps et tests de physique fondamentale***, Colloque de l’Académie européenne interdisciplinaire des Sciences, session: Ondes, Matières, et Univers, Institut Henri Poincaré, (FR), February 11, 2016
43. C. Salomon, ***“Superfluid flow and dissipation in a Bose-Fermi Gas mixture”***, Workshop on Nuclei, Atoms, molecules: few body problems and beyond, Orsay, France, January 15, 2016
44. C. Salomon, ***“Superfluid flow and dissipation in a Bose-Fermi Gas mixture”***, International Conference on topological phases in condensed matter and cold atoms, Hong Kong university of science and technology, Hong-Kong, December 15-19, 2015
45. C. Salomon, ***“The importance of discoveries in quantum optics”*** STOA Annual lecture 2015, a discovery tour in the world of Quantum Optics. European parliament, Brussels. December 9th, 2015
46. C. Salomon, ***“The ACES/PHARAO space mission. Fundamental Physics tests with space clocks”***, International Space Science Institute workshop on ultra-stable clocks and applications, Bern, (CH), November 30-December 4, 2015
47. C. Salomon, ***“ACES Mission Status”***, 8th symposium on Frequency Standards and Metrology, Potsdam, DE, October 16, 2015
48. C. Salomon, ***“ACES status”***, Comité Consultatif Temps fréquence du BIPM, Sèvres (FR), September 15, 2015
49. C. Salomon, ***“A Bose and Fermi superfluid mixture”***, Congrès annuel de la société française de physique, Strasbourg (FR) August 26, 2015
50. C. Salomon, ***“A Bose and Fermi superfluid mixture”***, Symposium on the frontiers of quantum information and quantum simulation, Heidelberg (DE), July 19-23, 2015

51. C. Salomon, “ **La mesure du Temps au 21^{ième} siècle**”, Colloque de l’académie des Sciences, Paris (FR), 19 mai 2015
52. C. Salomon, “ **A mixture of Bose and Fermi superfluids**”, ECT workshop on “Cold atoms meet high energy physics, Trento (IT), June 25, 2015
53. C. Salomon, “ **A mixture of Bose and Fermi superfluids**”, International workshop on frontiers in quantum simulation using ultracold atoms, Seattle, USA, April 2nd, 2015
54. C. Salomon, “ **A mixture of Bose and Fermi superfluids**”, Plenary talk at Spring meeting of the Deutsche Physical Society Heidelberg, March 25, 2015
55. C. Salomon, “ **ACES Mission Status**”, Groupe de physique fondamentale du CNES, Paris, FR, January 20, 2015
56. C. Salomon, “ **Quantum Gases: a few recent developments**”, Symposium de l’institut de physique quantique, Strasbourg, January 15th, 2015
57. C. Salomon, “ **A mixture of Bose and Fermi superfluids**”, Quo Vadis BEC? Heraeus Foundation, Bad Honnef, December 17, 2014
58. C. Salomon, “ **Atomic Clocks and Tests of Fundamental Physics**”, Conference on designed quantum states of matter, Bad Honnef, December 5-10th, 2014
59. C. Salomon, “ **Fundamental Physics Tests with Ground and Space Clocks**”, Symposium for INRIM 80th anniversary, Torino, December 5th, 2014
60. C. Salomon, “ **The Measurement of Time**”, 25th Conférence Générale des Poids et Mesures, Versailles, November 18-20, 2014
61. C. Salomon, “ **Quantum Simulation with ultracold Atoms**”, Overview talk, International Conference on quantum communication, measurement and computing, Hefei, China, November 2-6, 2014
62. C. Salomon, “ **Atomic Quantum Sensors and Fundamental tests**”, Les Houches school on ultracold atoms and precision measurements, September 15-26, 2014
63. C. Salomon, “ **A mixture of Bose and Fermi superfluids**”, Enrico Fermi School of Physics on quantum matter at ultralow temperatures, Varenna, July 8th, 2014
64. C. Salomon, “ **A mixture of Bose and Fermi superfluids**”, International Conference on cold atom physics, Taiyuan, China, June 15-19, 2014
65. C. Salomon, “ **A mixture of Bose and Fermi superfluids**”, KITP, Chinese Academy of Sciences, Beijing, June 9-13, 2014
66. C. Salomon, “ **Metrology of Time: from fundamental tests to applications**”, plenary talk, Euramet General Assembly, Cavtat, Croatia, June 3-5, 2014
67. C. Salomon, “ **A mixture of Bose and Fermi superfluids**”, in “Few-body universality in atomic and nuclear physics: recent experimental and theoretical advances” workshop, University of Washington, Seattle, May 12-16, 2014

68. C. Salomon, “ **A mixture of Bose and Fermi superfluids**”, 1st UQUAM conference, Venice, April 28-May 2, 2014
69. C. Salomon, “ **Strongly correlated Bose and Fermi gases**”, French-Israeli symposium on Physics, Jerusalem, IL, March 19-20, 2014
70. C. Salomon, “ **Strongly correlated Bose and Fermi gases**”, symposium “Shedding light on emergent quantum phenomena, Heidelberg, DE, March 9-12, 2014
71. C. Salomon, “ **Strongly correlated Bose and Fermi gases**” International Quantum Optics conference, Obergurgl, Austria, February 24-28, 2014
72. C. Salomon, « **Fundamental Tests with space clocks** », Stanford symposium on positioning and navigation, USA, November 14-15, 2013
73. C. Salomon, « **Fundamental Tests with space clocks** », Q2C6, Nice, (FR), October 15-18, 2013
74. C. Salomon, « **Gaz quantiques** », Journée d’avancement du Domaine d’intérêt majeur Nano-K, Paris 6, (FR), October 3, 2013
75. C. Salomon, **Fundamental Physics Tests with Space Clocks**, International Conference “Fundamentals and Applications of Ultra-cold Matter“, Visselhövede, Niedersachsen, Germany, September 16-18, 2013
76. C. Salomon, **quantum simulation with ultracold atoms**, Conference on mathematics and theoretical physics, Rome, Villa Farnesina, (IT) July 8-12, 2013
77. C. Salomon, **Fundamental Physics Tests with Space Clocks**, ESA workshop on STE-QUEST mission, May 22-23, 2013
78. C. Salomon, **Strongly interacting Bose gases**, Ringberg castle, Germany, April 8-12, 2013
79. C. Salomon, **Des gaz de Fermi ultrafroids aux étoiles à neutrons, Académie des Sciences**, Paris, March 12, 2013
80. C. Salomon, **Atomes ultrafroids et mesure du temps**, Planétarium de Vaulx en Velin, February 20, 2013
81. C. Salomon, **Strongly interacting Bose gases**, Cold and ultracold molecules workshop, Obergurgl, Austria, November 18-23, 2012
82. C. Salomon, **Strongly interacting Bose gases**, SFB DFG meeting, Frankfurt, Germany, November 13-14, 2012
83. C. Salomon, **Thermodynamics of Quantum Gases**, Symposium for the retirement of Prof. J. Walraven, Amsterdam, The Netherlands, Oct. 26th, 2012
84. C. Salomon, **Thermodynamics of Quantum Gases**, Int. Conf. on fundamentals in quantum Optics, DunHuang, China, August 26-31, 2012
85. C. Salomon, **Thermodynamics of Fermi and Bose Gases**, Int. Conf. on Atomic Physics, Palaiseau, France, July 22-27, 2012

86. C. Salomon, ***Thermodynamics of Fermi and Bose Gases***, Int. Cent. For Theoretical Physics Conference, Trieste, Italy, July 16-20, 2012
87. C. Salomon, ***Thermodynamics of Quantum Gases***, Int. summer school on quantum gases, Int. Cent. For Theoretical Physics Conference, Trieste, Italy, July 2-13, 2012
88. C. Salomon, ***Fundamental Physics with Space Clocks***, 508 WE Heraeus-Seminar, Quantum Meets Gravity and Metrology, Bad Honnef, Germany, June 4-8, 2012
89. C. Salomon, ***Thermodynamics of Fermi and Bose Gases***, Int. Conf. on Cold Atoms and Related Topics, Hong-Kong, China, May 14-17, 2012
90. C. Salomon, ***Atomic Quantum Sensors in Space and Fundamental Tests***, ISS Symposium, Berlin, Germany, May 2-4, 2012
91. C. Salomon, ***Photoassociation of Lithium-Potassium molecules***, International Workshop on Quantum Simulations with ultracold Atoms and Molecules, Ringberg, Germany, April 14-18, 2012
92. C. Salomon, ***From ultracold Fermi gases to Neutron Stars***, March Meeting of the American Physical Society, Boston, USA, February 27th, March 2nd, 2012
93. C. Salomon, ***From ultracold Fermi gases to Neutron Stars***, séminaire Daniel Dautreppe, Grenoble, France, November 21-25, 2011
94. C. Salomon, ***The low temperature thermodynamics of the strongly interacting Bose gas, From ultracold Fermi gases to Neutron Stars***, Int. Workshop on modelling materials with cold gases through simulations, Zurich, Switzerland, Nov 9-11, 2011,
95. C. Salomon, ***ACES and tests of the gravitational red shift***, Int. Workshop on Geodesy applications of the ACES mission, Postdam, Germany, October 25-26, 2011
96. C. Salomon, ***Thermodynamics of quantum gases***, BEC 2011, San Feliu, Spain, September 11-16, 2011
97. C. Salomon, ***Quantum simulation of strongly correlated fermion systems***, Quantum Information Processing Conference, Zurich, Switzerland, September 5-9, 2011
98. C. Salomon, ***From ultracold Fermi gases to Neutron Stars***, Low Temperature 26, Beijing, China, August 11-17, 2011, plenary talk
99. C. Salomon, ***From ultracold Fermi gases to Neutron Stars***, Advanced Workshop on Non-Standard Superfluids and Insulators, Abdus Salam Center for theoretical Physics, ICTP, Trieste, Italy, July 18-22, 2011
100. C. Salomon, ***Quantum Sensors on Earth and in Space***, Int. Symposium on Physical Sciences 4, Bad Godesberg, Germany, July 11-15, 2011, plenary talk
101. C. Salomon, ***From ultracold Fermi gases to Neutron Stars***, 2011 Swiss Workshop on Materials with Novel Electronic Properties, Les Diablerets, Switzerland, June 29-July 2nd, 2011
102. C. Salomon, ***Quantum Sensors on Earth and in Space***, 43rd, European Group on Atomic Spectroscopy, Fribourg, Switzerland, June 28-July 2nd, 2011

103. C. Salomon, **Quantum Simulation of strongly correlated fermions using ultracold Atoms**, Highlights in Quantum Condensed Matter Physics, San Sebastian, Spain, June 17-23, 2011
104. C. Salomon, **Thermodynamics of quantum gases**, 42nd Annual Meeting of the APS, DAMOP, Atlanta, Georgia, USA, June 13-17, 2011
105. C. Salomon, **Thermodynamics of quantum gases, Advanced Workshop on Frontiers in Ultracold Fermi Gases**, Abdus Salam Center for Theoretical Physics, ICTP, Trieste, Italy, June 6-10, 2011
106. C. Salomon, 4 lectures of 1 hour 15. Lecture 1: **introduction to quantum gases and Bose-Einstein Condensation**; lecture 2: **tailored Condensates**; lecture 3: **ultracold Fermi gases**; lecture 4: **strongly interacting fermions: thermodynamic properties**, International School on Quantum Systems, Buenos Aires, Argentina, May 2nd-May 13th, 2011
107. C. Salomon, **Atomic Clocks, interferometers and tests of the gravitational redshift**, Fundamentals of Matter wave Optics, FOMO, Obergurgl, Austria, March 21-24, 2011
108. C. Salomon, **Thermodynamics of quantum gases**, workshop on quantum simulators, Palaiseau, France, February 3rd, 2011
109. C. Salomon, **Thermodynamics of quantum gases**, Research Frontiers in ultracold atomic and molecular gases, Goa, India, January 10th-14th, 2011
110. C. Salomon, **La mesure du temps au XXI^e siècle**, Séminaire Poincaré sur le Temps, Institut Poincaré, Paris, December 4th, 2010
111. C. Salomon, **La mesure du Temps**, 12^{ième} rencontres "Physique et Interrogations fondamentales", Aux frontières de la connaissance : les instruments de l'extrême, Bibliothèque Nationale de France, Paris, November 27th, 2010
112. C. Salomon, **From ultracold Fermi gases to neutron stars**, Symposium in Honor of William D. Phillips, "facets of quantum Physics at ENS", Paris, November 16th, 2010
113. C. Salomon, **The ACES mission**, NASA workshop on fundamental physics, Dana Point, USA, October 13th -15th, 2010
114. C. Salomon, **Thermodynamics of a tunable Fermi gas**, "Int. Conf. on beyond standard optical lattices" Kavli Institute for theoretical physics, Santa Barbara, USA, October 11th -15th, 2010
115. C. Salomon, **Atomic Clock and Fundamental tests**, Int. conf. on Atomic Physics, Cairns, Australia, July 27th, 2010
116. C. Salomon, **Space Clocks and Fundamental Tests**, 11th International Symposium on Frontiers in Fundamental Physics, Paris, July 6th-9th, 2010
117. C. Salomon, **thermodynamics of strongly interacting Fermi gases**, workshop on Superfluidity in nuclear matter, finite nuclei and ultracold fermion gases, Saclay, CEA/SphN, Orme des Merisiers, Saclay, France, May 31st-June 4th, 2010

118. C. Salomon, **Atomic quantum sensors**, ESA, Fundamental Physics workshop, ESTEC, Noordwijk, Netherlands, January 20th, 2010
119. C. Salomon, **Optical Clocks and applications**, ESA HISPAC, ESA headquarters, Paris, november 25th, 2009
120. C. Salomon, **horloges à atomes froids et tests fondamentaux**, année mondiale de l'astronomie, Observatoire de Besançon, France, November 20th, 2009
121. C. Salomon, **Swimming in the Fermi Sea of cold atoms**, int. workshop on "Nanomagnetism, spin electronics and quantum optics", Rio de Janeiro, Brazil, November 11-13th, 2009
122. C. Salomon, **Swimming in the Fermi Sea of cold Atoms**, workshop on "Current Perspectives in Strongly-Correlated Quantum Matter", Collège de France, Paris, October 9th, 2009
123. C. Salomon, **Fundamental Physics Tests using ultrastable Clocks: the ACES experiment**, 11th Int. Conf. on Astroparticle, Particle, Space Physics, Detectors and Medical Physics Applications, (ICATPP Conference), Villa Olmo, Como, Italy, October, 5-9, 2009
124. C. Salomon, **The space mission ACES: recent progress**, from quantum to Cosmos 4, Bremen, Germany, September, 21-24, 2009
125. C. Salomon, **Static and dynamic properties of ultracold Fermi gases**, Cargèse summer workshop on exotic quantum phenomena, Cargèse, France, July 5th - July 17th, 2009
126. C. Salomon, **High precision clocks and fundamental Tests**, Gordon Conference on atomic physics, Tilton school, USA, June 28th - July 3rd, 2009
127. C. Salomon, **Recent advances on ultracold Fermi gases**, International workshop on ultracold atoms, ICTP Trieste, Italy, May 4th-8th 2009
128. C. Salomon, **Bloch oscillations with cold atoms**, International workshop on Bloch oscillations and Landau-Zener tunnelling, from hot electrons to ultracold atoms, Max Planck Institute for the physics of complex systems, Dresden, Germany, May 4th-8th 2009
129. C. Salomon, **High precision clock on ground and in space**, Symposium of the collaborative research center SFB 407, Hannover University, Germany, February 12th-13th 2009
130. C. Salomon, **ACES and Fundamental Physics**, 5th Symposium on Frequency Standards and metrology, Pacific Grove, USA, October 6th-10th, 2008
131. C. Salomon, **A cruise on the Fermi sea**, Symposium on quantum fluids and strongly correlated systems, Paris, France, September 15-16, 2008
132. C. Salomon, **Cold Gases Meet Condensed Matter Physics**, Extreme Matter Institute workshop, GSI, Darmstadt, Germany, July 17th, 2008
133. C. Salomon, **Precise Time and Cold Atoms**, European Science Open Forum, Barcelona, Spain, July 21, 2008

134. C. Salomon, **ACES and Fundamental Physics with Space Clocks**, From Quantum to Cosmos 3, Airlie, Virginia, USA, July 9, 2008
135. C. Salomon, **Precise Time and Fundamental Tests**, Central European Workshop on Quantum Optics, Belgrade, Serbia, June 2, 2008
136. C. Salomon, **ACES and Applications**, workshop on ACES and future GNSS-based Earth Observation and navigation, Munich, Germany, May 26-27, 2008
137. C. Salomon, **ACES, Ultrastable Clocks , Fundamental Physics and Applications**, journée CNES-DGA horloges atomiques et Senseurs inertiels, Paris, May 22th, 2008
138. C. Salomon, **ACES, Ultrastable Clocks , Fundamental Physics and Applications**, workshop on Relativity aspects of the ACES mission, Florence, Italy, April 29th, 2008
139. C. Salomon, **Fundamental tests with Ultrastable Clocks**, ESF workshop on ESF/PESC Exploratory Workshop: Astrophysical Tests of Fundamental Physics, Porto, Portugal, March 26-30, 2008
140. C. Salomon, **Ultracold Fermi gases: recent advances**, Workshop on Ultracold Nanomatter, University of Toronto, Canada, February 15, 2008
141. C. Salomon, **Quantum simulation with cold atoms**, SCALA workshop, Mainz, Germany, January 24-25, 2008
142. C. Salomon, **Space Clocks: status and applications**, 2nd ESA International workshop on Optical Atomic Clocks, Frascati, Italy, October 10-12, 2007
143. C. Salomon, **Cold atom space clocks and fundamental tests**, Les Houches school on fundamental constants and units, Les Houches, France, October 1-10, 2007
144. C. Salomon, **Cold atom clocks in space and fundamental tests**, at the 1st colloquium on scientific and fundamental applications of the GALILEO program, Toulouse, France, Oct 1st-Oct 4, 2007, plenary talk
145. C. Salomon, **Measuring the Fermi surface and one particle excitations in interacting Fermi gases using Raman spectroscopy**, BEC 2007 Conference, San Feliu, Spain, September 16-21, 2007
146. C. Salomon, **Ultracold Fermi gases : Experiments in the BEC-BCS crossover**, Gordon Conférence on Superconductivity, Les Diablerets, Switzerland, September 9-14, 2007,
147. C. Salomon, **cold atom clocks and fundamental tests**, Time and Matter symposium, Bled, Slovénie, August 26-31, 2007
148. C. Salomon, 2 lectures, **Tuning interaction in ultracold Bose and Fermi gases, Tunable Fermi gases, experiments in the BEC-BCS crossover**, 2007 lectures in physics of the Onassis foundation, Heraklion, Crete, July 23-27, 2007
149. C. Salomon, **Cold Atom clocks on Earth and in Space Fundamental tests and applications**, Enrico Fermi International Physics school, **2 Lectures** on Atoms Optics and Space Physics (CLXVIII), Varenna, Italy, July, 9-12, 2007

150. C. Salomon, **Fundamental Physics with ultrastable Space Clocks**, Workshop "From quantum to cosmos II" Q2C2 - Space-based research in fundamental physics and quantum technologies- Bremen, Germany, June 10-13, 2007
151. C. Salomon, **BEC-BCS crossover: experiments**, Workshop on Quantum Gases, Paris, IHP, May, 11, 2007
152. C. Salomon, **Unitary Fermi gas - Phase diagram and Raman spectroscopy**, K.I.T.P., Santa Barbara, USA, April, 23-27, 2007
153. C. Salomon, **Fundamental Physics with Space Clocks: ACES and Perspectives**, Workshop on an Optical Clock Mission in ESA's Cosmic Vision Program, Dusseldorf, Germany, March, 8-9, 2007
154. C. Salomon, **Clocks in Space: Applications and Challenges**, International Workshop on Optical Frequency Combs for Space (OFCS), Teddington, United Kingdom, October, 2-3, 2006
155. C. Salomon, **Bose-Einstein Condensation, Interferometry and Clocks**, school on Advances in precision tests and experimental gravitation in space. 4 lectures on Cold Atoms, University of Firenze, Italy, September, 2006
156. C. Salomon, **ACES: ultra-stable Clocks in Space: Fundamental Physics and Applications**, 11th Marcel Grossmann Meeting on General Relativity, Berlin, Germany, July, 25, 2006
157. *L. Tarruell, Martin Teichmann, Jason McKeever, K. Magalhaes, S. Nascimbene, J. Zhang, T. Bourdel, L. Khaykovich, F. Chevy, C. Salomon, **Expansion of a lithium gas in the BEC-BCS crossover**, International school on ultracold Fermi gases, Varenna, Italy, June, 20-30, 2006
158. C. Salomon, **The ACES Mission and Fundamental Physics**, International Conference "From Quantum to Cosmos: Fundamental Physics Research in Space", Washington, USA, May, 22-24, 2006
159. C. Salomon, L. Cacciapuoti, N. Dimarcq, **The ACES Mission**, IGS Conference 2006 ESA, Darmstadt, Germany, May, 11-12, 2006
160. *Ph. Laurent, Ch. Jentsch, M. Abgrall, I. Maksimovic, S. Bize, C. Vian, P. Rosenbusch, A. Clairon, P. Lemonde, G. Santarelli, C. Salomon, C. Sirmain, F. Picard, Ch. Delaroche, O. Grosjean, M. Saccoccio, M. Chaubet, L. Guillier, J.F. Vega, I. Zenone, N. Ladiette, **PHARAO space clock hardware description**, 20th European Frequency and Time Forum (EFTF), Braunschweig, Germany, March 27-30, 2006
161. *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, **Experimental measurements on the engineering model of the space clock Pharao**, 20th European Frequency and Time Forum (EFTF), Braunschweig, Germany, March 27-30, 2006
162. *F. Chapelet, S. Bize, P. Wolf, G. Santarelli, P. Rosenbusch, M.E. Tobar, C. Salomon and A. Clairon, **Recent results of Syrte atomic fountains and investigation of the distributed cavity phase shift**, 20th European Frequency and Time Forum (EFTF), Braunschweig, Germany, March 27-30, 2006

163. C. Salomon, ***Experiments in the BEC-BCS Crossover with Lithium 6 Atoms***, Banff Cold Atom Meeting (BCAM2006), Banff, Canada, February, 23-28, 2006
164. C. Salomon, ***Des expériences de pensée aux expériences spatiales***, Neuvième rencontre "Physique et interrogations fondamentales", Paris, November 16, 2005
165. C. Salomon, ***Ultracold Fermi gases : from Bose-Einstein Condensation of Molecules to Cooper pairs***, Minerva workshop on Quantum Atom Optics, Eilat, Israel, October 30-November 2, 2005
166. C. Salomon, ***Pharao/Aces: Ultra stable space clocks, fundamental physics and applications***, journées GREX- Gravitation et Expérience 2005, Paris, October 12-14, 2005
167. C. Salomon, ***ACES - Sciences Objectives***, ACES Workshop - Atomic Time in Space, Noordwijk, Netherlands, October 10-11, 2005
168. C. Salomon, ***Experiments in the BEC-BCS crossover with lithium atoms***, BEC 2005, San Feliu de Guixols, Spain, September 10-15, 2005
169. C. Salomon, ***Superfluidité dans les gaz de Fermi ultra-froids***, COLOQ9, Dijon, France, September 7-9, 2005
170. C. Salomon, ***BEC/BCS crossover in ultracold Fermi gases***, Atomic Physics Gordon Conference, Tilton, USA, June 26-July 1st, 2005
171. C. Salomon, ***Ultracold Fermi gases : from Bose-Einstein Condensation of Molecules to Cooper Pairs***, QuPON2005 "Quantum Physics of nature", Vienna, Austria, May 22-26, 2005
172. C. Salomon, ***Ultracold Fermi gases : from Bose-Einstein Condensation of molecules to Cooper pairs***, Workshop on Strongly-Interacting Quantum Gases, Columbus, Ohio, USA, April 18-21, 2005
173. C. Salomon, ***Bose-Einstein and Fermi statistics in ultracold gases***, IoP2005 : Physics, a century after Einstein, Warwick, United Kingdom, April 10-14, 2005
174. C. Salomon, ***Clocks in Space, Fundamental tests***, Workshop Quantum Mechanics for Space, ESA-ONERA, Châtillon, France, March30-April 1st, 2005
175. C. Salomon, ***Clocks and fundamental measurements/superfluidity in Fermi gases***, "Quantum optics and quantum foundations workshop", Bilbao, Spain, March 15-17, 2005 (4 lectures)
176. C. Salomon, ***Cold atom clocks and tests of fundamental theory***, Royal Society Discussion Meeting, London, United Kingdom, February 14-15, 2005
177. C. Salomon, ***Fermionic Molecules Towards BCS Transition***, International Conference on Atomic Physics (ICAP 2004), Rio de Janeiro, Brazil, July 26-30, 2004
178. *T. Bourdel, ***BEC of molecules and a study of the BEC-BCS crossover region in lithium 6***, Workshop on mixtures of ultracold atoms, Sao Paulo, Brazil, July 19-23, 2004

179. C. Salomon, **Cold Atoms Clocks in Space : Pharaoh and Aces**, 35th COSPAR Scientific Assembly, Paris, July 18-25, 2004
180. C. Salomon, **From Bose-Einstein Condensation of Molecules to BCS Pairing in Ultra-Cold Fermi Gases**, 22nd IUPAP International Conference on Statistical Physics (STATPHYS 22), Bangalore, India, July 4-9, 2004
181. C. Salomon, **Bose-Einstein Condensation of 6 Li₂ Fermion Dimers near a Feshbach Resonance**, 35th Meeting of the Division of Atomic, Molecular and Optical Physics (DAMOP), APS meeting, Tucson, USA, May 25-29, 2004
182. C. Salomon, **Expansion of a 6 Li Fermi gas in the BEC-BCS crossover region**, Conference on Frontiers of Quantum Gases, Santa Barbara, USA, May 8-14, 2004
183. C. Salomon, **Ultra-cold Fermi Gases From Bose-Einstein Condensation of Molecules to Fermi Superfluidity**, German Physical Society meeting, Munich, Germany, March, 24-26, 2004
184. C. Salomon, **Ultracold Fermi gases**, Keynote talk at 10th Young Atom Opticians Conference (YAO), Innsbruck, Austria, March 13-17, 2004
185. C. Salomon, **Bose-Einstein Condensation of 6Li₂ fermion dimers near a Feshbach resonance**, Workshop on Ultracold Fermi Gases, Levico, Italy, March 4-6, 2004
186. C. Salomon, **Ultracold Fermi gases : From molecular Bose-Einstein condensation to BCS pairing**, International Workshop on ATOMIC PHYSICS, Dresden, Germany, December 2-4, 2003
187. C. Salomon, **Ultracold Fermi gases**, ERICE 2003, International school of solid state physics-30th Workshop - Symmetry and heterogeneity in high temperature superconductors, Erice, Sicile, October 8-9, 2003
188. C. Salomon, **Fundamental Physics in space**, I.A.C., 54th International Astronautical Congress, Bremen, Germany, September 29-October 3, 2003, (plenary talk)
189. C. Salomon, J. Cubizolles, T. Bourdel, S. Kokkelmans, G.V. Shlyapnikov, **Formation of lithium 6 molecules from an ultracold Fermi gases**, B.E.C. Euresco programme, San Feliu de Guixols, Spain, September 13-18, 2003
190. C. Salomon, **Quantum degenerate Fermi gases**, QuAMP, Milton Keynes, United Kingdom, September 8-9, 2003
191. C. Salomon, **Formation of Long-Lived ultracold Li₂ molecules**, Quantum Challenges II, Warsaw, Poland, September 4-7, 2003
192. C. Salomon, **Cold atoms-Bose-Einstein condensation and Clocks**, B.I.P.M. International Metrology Summer School, (**3 conférences**), Paris, July 21-August 1st, 2003
193. *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, **Cold Atom Clocks, Precision Oscillators and Fundamental Tests**, 16th International Conference on Laser Spectroscopy (ICOLS), Palm Cove, Australia, July 12-18, 2003

194. *J. Cubizolles, T. Bourdel, S. Kokkelmans, G.V. Shlyapnikov, C. Salomon, **Fermion boson mixtures**. 16th International Conference on Laser Spectroscopy (ICOLS), Palm Cove, Australia, July 12-18, 2003
195. *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, **Cold Atom Clocks and Fundamental tests**. International Seminar, 302 W.E. Heraeus "Astrophysics, Clocks and Fundamental constants", Bad Honnef, Germany, June 16-18, 2003
196. C. Salomon, T. Bourdel, J. Cubizolles, K. Magalhaes, S. Kokkelmans, G. Shlyapnikov, **Quantum degenerate Fermi and Bose gases**, CLEO/EQEC Europe, Munich, Germany, June 23-27, 2003
197. C. Salomon, T. Bourdel, J. Cubizolles, L. Khaykovich, K. Magalhaes, S. Kokkelmans, **Quantum degenerate Fermi and Bose gases**. CLEO/QELS 2003, Baltimore, USA, June 1-6, 2003
198. *S. Kokkelmans, **Atoms and molecules in a Bose-Einstein condensate with strong interactions**, 34th Meeting of the Division of Atomic, Molecular and Optical Physics (DAMOP), Boulder, USA, May 20-24, 2003
199. C. Salomon, **Onboard The Intenational Space Station**, F.C.S./E.F.T.F. International Conference, Tampa, USA, May 4-8, 2003
200. C. Salomon, T. Bourdel, J. Cubizolles, F. Schreck, L. Khaykovich, K. Corwin, G. Ferrari, L. Carr and Y. Castin, **Bose and Fermi gases in Anisotropic Traps**, European Summer School on Quantum gases in Low Dimensions, les Houches, France, April 15-25, 2003
201. *J. Cubizolles, T. Bourdel, L. Khaykovich, K. Magalahas, S. Kokkelmans, G. Shlyapnikov and C. Salomon, **Strongly interacting ultra-cold Fermi gases**, Obergurgl meeting on Quantum Optics, Obergurgl, Austria, February 23-March 1st, 2003
202. C. Salomon, T. Bourdel, J. Cubizolles, S. Kokkelmans, L. Khaykovich, F. Schreck, G. Ferrari and K. Corwin, **Gaz de fermi ultra-froids**, Symposium "Les Atomes froids et l'informatique quantique", Collège de France, Paris, February 7, 2003
203. C. Salomon, **Microwave Clocks on ground and in space**, HYPER Symposium 1 : Fundamental Physics and Applications of cold atoms in space, Paris, November 4-6, 2002
204. *F. Schreck, **Mixtures of cold Bose and Fermi gases**, 7th Int. workshop on atom optics and interferometry, Lunteren, Netherlands, September 29-October 2, 2002
205. *L. Khaykovich, **Mixtures of cold Bose and Fermi gases**, Int. Quantum Electronics Conference on Lasers, Applications, and Technologies (IQEC/LAT 2002), Moscou, Russia, June 22-28, 2002
206. *L. Khaykovich, F. Schreck, G. Ferrari, T. Bourdel, J. Cubizolles, L. Carr, Y. Castin, C. Salomon, **Mixtures of cold Bose and Fermi gases**, 23rd Int. Conf. on Low temperature physics, Hiroshima, Japan, August 20-25, 2002
207. C. Salomon, **Cold Atom Space Clocks : ACES and fundamental tests**, Gravitation and Experiment (GREX 2002), Pisa, Italy, October 6-10, 2002

208. C. Salomon, **Cold Atom Fountain Clocks**, XXVIIth General Assembly of International Union of Radio Science (URSI), Maastricht, Netherlands, August 17-24, 2002, tutorial lecture
209. C. Salomon, L. Khaykovich, F. Schreck, G. Ferrari, T. Bourdel, J. Cubizolles, L. Carr, Y. Castin, **Ultra-cold mixtures of Bose and Fermi gases**. Eighteenth International Conference on Atomic Physics (ICAP 2002), Cambridge, Massachusetts, USA, July 28-August 2, 2002
210. C. Salomon, L. Khaykovich, F. Schreck, G. Ferrari, T. Bourdel, J. Cubizolles, L. Carr, Y. Castin, **Ultra-cold mixtures of Bose and Fermi Lithium gases**, Recent Developments in the physics of cold atomic gases (BEC 2002), Trento, Italy, July 15-18, 2002
211. C. Salomon, **Cold atom space clocks and fundamental tests**, International Quantum Electronics Conference /Conference on Lasers, Applications, and Technologies (IQEC/LAT 2002), Moscow, Russia, June 22-28, 2002
212. C. Salomon, L. Khaykovich, F. Schreck, G. Ferrari, T. Bourdel, J. Cubizolles, L. Carr, Y. Castin, **Ultracold mixtures of Bose and Fermi gases**, Second Meeting of the Stanford-ENS (Quantum Entanglement Projet), Paris, France, June 20, 2002
213. C. Salomon, **Cold Atom Clocks, Applications and Perspectives**, Plenary Lecture at the Conference on Precision Electromagnetic Measurements (CPEM 2002), Ottawa, Canada, June 16-21, 2002
214. C. Salomon, **Ultra-cold Bose and Fermi gases**, Danish Physical Society meeting 2002, Copenhagen, Denmark, May,30, 2002, (Plenary Lecture)
215. C. Salomon, **Ultracold Bose and Fermi Gases**, 19th general Conference of the EPS Condensed Matter Division and CMMP 2002, Brighton, United Kingdom, April 9, 2002
216. C. Salomon, L. Khaykovich, F. Schreck, G. Ferrari, T. Bourdel, J. Cubizolles, L. Carr, Y. Castin, **Ultra-cold Bose and Fermi gases: playing with Feshbach resonances**, Second Int. workshop on Cold Molecules, Les Houches, March 4-8, 2002
217. C. Salomon, **Cold atom clocks**, OPTRO 2002 international symposium, Paris, January 14-16, 2002, plenary talk
218. C. Salomon, **ACES: Atomic Clock Ensemble in Space**, Satellite navigation and positioning world show, Nice, France, November 13-15, 2001: .
219. C. Salomon, **Cold atom clocks and fundamental tests**, European Conf. on Quantum Optics, San Feliu, Spain, October 2001
220. C. Salomon, **Cold atom clocks in space**, 5th Symposium on frequency standards and metrology, St Andrews, Scotland, September 2001
221. C. Salomon, F. Schreck, L. Khaykovich, K. Corwin, T. Bourdel, J. Cubizolles, **Mixtures of quantum degenerate lithium gases**, European Conf. on Bose-Einstein Condensation, San Feliu, Spain, September 2001

222. C. Salomon, F. Schreck, K. Corwin, L. Khaykovich, T. Bourdel, J. Cubizolles, **Mixtures of quantum degenerate lithium gases**, 15th Int. Conf. on Laser Spectroscopy, Snowbird, USA, June 2001
223. C. Salomon, **Cold atom clocks and fundamental tests**, DAMOP 01, Toronto, Canada, May 16, 2001
224. C. Salomon, **Science aspects of ACES**, special session on ACES: 15th European Time and Frequency Forum, Neuchâtel, Switzerland, March 6-8, 2001
225. C. Salomon, **Temps, rythmes et périodes: Les horloges à atomes froids**, Conférences sur la mise en place des TPE dans les lycées, ENS Cachan, France, March 14, 2001
226. C. Salomon, **La mission ACES**, Journées scientifiques de l'ONERA, Châtillon, France, January 18-19, 2001
227. C. Salomon, G. Ferrari, F. Schreck, M.O. Mewes, J. Cubizolles, L. Khaykovich, K. Corwin, **Sympathetic cooling of fermionic lithium towards quantum degeneracy**, Snowbird Conf. On Quantum optics, USA, January 8-11, 2001
228. C. Salomon, **La mission ACES**, Journées scientifiques du GREX, Grasse, France, October 10-12, 2000
229. *G. Ferrari, F. Schreck, M.O. Mewes, K. Corwin, C. Salomon, **Progress on sympathetic cooling of fermionic lithium towards quantum degeneracy**, Int. Conf. on Quantum elect., Nice, France, September 11, 2000
230. C. Salomon, **Les horloges à atomes froids**, Colloque de la division de Physique atomique et moléculaire de la société Française de physique, PAMO 2000, Lyon, France, July 10-13, 2000
231. C. Salomon, G. Ferrari, F. Schreck, K. Corwin, J. Cubizolles, M.O. Mewes, **Progress toward a degenerate Fermi gas of lithium**, 6th workshop on atom optics and interferometry, Cargèse, Corse, France, July 26-29, 2000
232. C. Salomon, **ACES: Atomic clock ensemble in space**, NASA Workshop on fundamental physics in space, Solvang, California, USA, June 19-21, 2000
233. C. Salomon, **Quantum manipulation of trapped atoms**, Workshop of the Deutsche Forschung Gemeinschaft on Quantum Transport, Guenzburg, Germany, June 26-28, 2000
234. 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, **Cold Atom Clocks**, 2000 International Conference on Atomic Physics, Firenze, Italy, June 5-9, 2000
235. C. Salomon, **ACES : Atomic Clock Ensemble in Space**, ESA-CERN Workshop on fundamental physics in Space, Geneva, Switzerland, April 5-7 2000
236. C. Salomon, I. Bouchoule, M. Morinaga, J.C. Karam, **manipulation of motional quantum states**, Winter School on fundamentals in Quantum optics, Kühtai, Austria, January 2000

237. C. Salomon, 7 invited lectures, **(1) High precision measurement and clocks, (2) Light forces, (3) cooling of atoms, (4) subrecoil cooling, (5) atom trapping, (6) Bose-Einstein Condensation, (7) atom interferometry**, winter graduate school on atom traps, ion traps and optical tweezers, Solbacka, Sweden, November 2-5, 1999
238. 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: **Cold Atom Clocks in Space**, NASA Conference on fundamental physics in space, Washington, April 1999
239. *P. Lemonde, P. Laurent, G. Santarelli, M. Abgrall, Y. Sortais, S. Bize, M. Santos, Zhang, A. Clairon, A. Mann, C. Salomon, **Cold Atom Clocks: new tools for tests of general relativity**, Gravitation frontiers symposium and experimental gravitation, Samarkand, Uzbekistan, 1999
240. 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, **Ultra-stable Clocks in Space**, Gordon Conference on on gravitational effects in physico-chemical systems, Henniker, NH, USA, June 27-July 2, 1999
241. 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, **Cold Atom Clocks on Earth and in Space**, 14th Int. Conf. on Laser spectroscopy, Innsbruck, Austria, June 1999
242. *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, **Recent Progress on Cold Atom Clocks**, XXXIVth Moriond Conference on Gravitational Waves and experimental gravity, Les Arcs, France, January 23-30, 1999
243. *P. Lemonde, P. Laurent, E. Simon, G. Santarelli, A. Clairon, N. Dimarcq, C. Audouin, P. Petit, L.G. Bernier, G. Busca, C. Salomon, **Test of a cold atom clock prototype in absence of gravity**, Conference on Precision Electromagnetic Measurements, Washington, USA, July 6-10, 1998
244. C. Salomon, **Recent progress on cold atom clocks**, Optical frequency measurement and synthesis workshop, Fremantle, Western Australia, October 1998
245. C. Salomon, **Ultra-cold atoms**, conference of the Australian Institute of Physics, Fremantle, Western Australia, October 1998, plenary lecture
246. *A. Khun, H. Perrin, I. Bouchoule, C. Salomon, **Sideband cooling of neutral atoms in a far detuned optical lattice**, EQEC 1998, Glasgow, Scotland, UK, September 1998
247. C. Salomon, **Ultra-cold atoms**, Around VIRGO symposium, Tyrrhenia, Italy, September 1998
248. C. Salomon, **ACES: ultra-stable clocks in space**, COSPAR 1998, July, Nagoya, Japan, July 1998
249. C. Salomon, **PHARAO : a cold atom clock in Space**, Frequency Control Symposium, Pasadena, California, USA, Mai 1998

250. C. Salomon, **Cold atom clocks in space**, ESA-UE workshop; ESTEC, Noordwijk, Netherlands, Mai 1998
251. C. Salomon, P. Lemonde, P. Laurent, E. Simon, G. Santarelli, A. Clairon, N. Dimarcq, P. Petit, C. Audouin, **Fundamental tests with ultra-stable clocks**, Les Houches Workshop on Gravitation and experiment, Les Houches, France, September 1997
252. C. Salomon, **Laser Cooling: recent developments and prospects for Bose degeneracy**, Bose Einstein Condensation, Castelveccchio Pascoli, Italy, July 1997
253. C. Salomon, **Cold Atoms and ultra-stable Clocks**, Physique en Herbe 1997, Caen, France, July 1997
254. C. Salomon, **Clocks in Space**, Fundamental Physics in Space, Alpbach Summer School, Austria, July 1997
255. 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, **Recent Advances in Laser Cooling and trapping**, 13th Int. Conf. on Laser Spectroscopy, Hang Zhou, China, June, 1997
256. C. Salomon, M. Ben Dahan, E. Peik, I. Bouchoule, J. Reichel, Y. Castin, **Bloch Oscillations of Atoms in a Optical Potential**, Les Houches school on atoms and electrons in periodic and quasi-periodic lattices, Les Houches, France, January 27-31, 1997
257. C. Salomon, C. Veillet, **ACES: Atomic Clock Ensemble in Space**, first symposium on the utilisation of the international space station, Darmstadt, Germany, October 1996
258. C. Salomon, P. Lemonde, P. Laurent, E. Simon, G. Santarelli, A. Clairon, P. Petit, N. Dimarcq, C. Audouin, F. Gonzalez, F. Jamin-Changeart, **PHARAO: a cold atom clock in micro-gravity**, first symposium on the utilisation of the international space station, Darmstadt, Germany, October 1996
259. *M. Ben Dahan, E. Peik, J. Reichel, Y. Castin, C. Salomon, **Bloch Oscillations of Atoms in a Optical Potential**, EQEC 1996, Hamburg, Germany, September 1996.
260. *J. Söding, R. Grimm, Y. Ovchinnikov, Ph. Bouyer, C. Salomon, **Atomic beam deceleration with the stimulated bichromatic force**, EQEC 1996, Hamburg, Germany, September 1996
261. C. Salomon, P. Laurent, E. Simon, G. Santarelli, A. Clairon, P. Lemonde, P. Petit, N. Dimarcq, C. Audouin, F. Gonzalez, F. Jamin-Changeart, **PHARAO: Une horloge à atomes froids dans l'espace**, Journées internationales sur les vols paraboliques, Bordeaux, Septembre 1996
262. C. Salomon, P. Laurent, E. Simon, G. Santarelli, A. Clairon, P. Lemonde, P. Petit, N. Dimarcq, C. Audouin, F. Gonzalez, F. Jamin-Changeart, **PHARAO: a space clock with cold cesium atoms**, JPL Workshop on Space Clocks, Pasadena, USA, November 1996
263. C. Salomon, P. Laurent, E. Simon, G. Santarelli, A. Clairon, P. Lemonde, P. Petit, N. Dimarcq, C. Audouin, F. Gonzalez, F. Jamin-Changeart, **PHARAO: a space clock with cold cesium atoms**, NASA-NSF workshop on laser cooling and atomic physics in space, October 1996

264. C. Salomon, **Cold Atoms and ultra-stable clocks**, Conf. of the Union of Radio-Science Int., Lille, September 1996
265. *M. Ben Dahan, E. Peik, J. Reichel, Y. Castin, C. Salomon, **Bloch Oscillations of Atoms in a Optical Potential**, 15th Int. Conf. on Atomic Physics, (ICAP), Amsterdam, Netherlands, August 1996
266. C. Salomon, **Cold Atoms and ultra-stable clocks**, International Conference on Metrology and fundamental constants, Les Houches, France, June 4, 1996
267. C. Salomon, **Bose-Einstein Condensation of Atoms**, Danish Physical Society, Nyborg, Denmark, May 23, 1996
268. C. Salomon, J. Reichel, F. Bardou, O. Morice, P. Lemonde, M. Ben Dahan, E. Peik, Rand S., H. Perrin, A. Khun, C. Cohen-Tannoudji, **Subrecoil cooling of cesium atoms to nanoKelvin temperatures and atom traps**, French-Brazilian colloquium on quantum optics, Rio de Janeiro, Brazil, January 1996
269. 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, **Cavités et optique atomiques**, Groupe de recherche sur la gravitation expérimentale, Grasse, France, October, 1995
270. 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, **Atomic Cavities and Traps**, 5th Symposium on Frequency Standards and Metrology, Woodshole, MA, USA, October 1995
271. C. Salomon, J. Reichel, F. Bardou, O. Morice, P. Lemonde, M. Ben Dahan, E. Peik, Rand S., C. Cohen-Tannoudji, **Subrecoil cooling of cesium atoms to nanoKelvin temperatures**, Optical Society of America, Portland, USA, September 11th, 1995
272. C. Salomon, **Spectroscopy of isolated atomic systems**, Italian Congress on Physics of Matter, Napoli, Italy, May 27, 1995 (Plenary lecture)
273. C. Salomon, **Cold atoms and micro-gravity clocks**, Symposium for the 75th anniversary of URSI, Brussels, Belgium, April 1995
274. C. Salomon, **2 conferences on laser cooling and trapping of atoms**, Séminaire sur la manipulation d'atomes par laser (SMALA), Lille, France, May 1995
275. C. Salomon, **Cesium fountains and micro-gravity clocks**, 25th Moriond Conference on dark matter in cosmology, clocks and fundamental tests in physics, Les Arcs, France, January 1995
276. C. Salomon, **(1)Laser cooling of atoms (2) Laser trapping**, 1st Euroconference on Atomic Physics with Stored Highly charged Ions, Heidelberg, Germany, March 24-28, 1995
277. C. Salomon, **Cold atoms and micro-gravity clocks**, Symposium of the European low gravity association, Madrid, Spain, December 1994
278. C. Salomon, **ultra-cold atom**, Dutch atomic physics and quantum optics division, Amsterdam, Netherlands, November 17, 1994 (plenary talk)

279. C. Salomon, **Atomes froids et horloges ultra-stables**, CNAM, Bicentenaire, Journée : Le mètre et la lumière, Paris, Septembre 1994
280. C. Salomon, **Ultra-stable cold atom clocks**, International symposium on Quantum manipulation of light and matter, Tokyo, Japan, November 30, 1994
281. C. Salomon, **Le refroidissement laser et quelques applications**, Journées jeunes chercheurs en physique des particules et des hautes énergies Super-Besse, France, Janvier 1994
282. C. Salomon, **atoms in optical lattices**, Gordon Conference, I, Wolfeboro, NH, USA, July 1993
283. C. Salomon, **Crystals of cold atoms in optical molasses**, EQEC, Eur. Quantum Electron. Conf., Firenze, Italy, 1993
284. C. Salomon, **Laser cooling and trapping of atoms at microkelvin temperatures**, XIIIth Intern. Symp. on Molec. Beams, Madrid, Spain, 1992
285. C. Salomon, **Laser cooling of atoms in micro-gravity: towards high performance clock**, World Space Congress, Washington, USA, September 1992
286. C. Salomon, **Laser manipulation of atoms**, Workshop de la Deutsche Forschung Gemeinschaft, on precision spectroscopy with laser manipulated atoms, Berlin, Germany, June 1992
287. C. Salomon, **Laser cooling of atoms in micro-gravity**, VIIIth Eur.Symp. on Material and Fluid Sciences, Bruxelles, Belgium, April 1992, (Plenary lecture)
288. C. Salomon, **Laser cooled atoms in micro-gravity, towards a high performance clock**, Sixth Eur. Frequency and Time Forum, Noordwijk, Netherlands, 1992
289. C. Salomon, **Experiments with optically trapped atoms**, Research Conf. on Quantum Optics, Davos, Switzerland, October 1992
290. *G. Grynberg, P. Verkerk, B. Lounis, J.Y. Courtois, C. Salomon, R.W. Boyd, Nonlinear Optics 92, Lahaina, USA 1992
291. C. Salomon, **A few applications of laser cooled atoms**, Lasertag, Hanovre, Germany, December 1992
292. C. Salomon, **Atomes refroidis par laser: pour quoi faire ?**, Congrès de la SFP, I, Caen, France, September 1992
293. C. Salomon, **Atomes refroidis par laser: application aux étalons de temps**, Comité Français de Radioélectricité, April 1992
294. C. Salomon, **Laser cooling and trapping of atoms**, Columbus Conf. on Physics of Matter, Gênes, Italy, June 1992
295. *G. Grynberg, P. Verkerk, J.Y. Courtois, C. Salomon, B. Lounis, 2 Frisno, Port Barcares, France, 1992

296. C. Salomon, **Laser cooling and trapping of atoms**, Workshop on Cesium standards, Besançon, France, 1991
297. C. Salomon, **Laser cooling of cesium atoms below 3 microkelvins**, Atomic Physics XII, Ann Arbor, Michigan, USA, July 30, 1990 (1991 Zorn and Lewis eds)
298. *G. Grynberg, J.Y. Courtois, P. Verkerk, D. Grison, B. Lounis, C. Salomon, 10ème Conf. Inter. de Spectroscopie Laser, Font Romeu, France, 1991
299. C. Salomon, **Laser manipulation of atomic beams**, MOLEC VIII, Bernkastel-Kues, Germany, September 1990
300. *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, **Atoms in optical molasses**, LIKE 1990, Ile d'Elbe, Italy, May 1990
301. C. Salomon, **Le refroidissement laser**, Journées Science et Défense, May 1990
302. C. Salomon, **Advances in laser cooling**, IQEC 90, Anaheim, California, USA, May 1990
303. *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, **Optical molasses: the coldest atoms ever**, EGAS 1990, Suède, 1990
304. *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, **Optical molasses: cold atoms for precision measurements**, CPEM, Neuchatel, Switzerland, 1990
305. *J. Dalibard, C. Salomon, A. Aspect, E. Arimondo, R. Kaiser, N. Vansteenkiste, C. Cohen-Tannoudji, **New schemes in laser cooling**, Atomic Physics XI, I, (Paris 1988), (1989) p.199: (Haroche, Grynberg, Gay eds, World Scientific):.
306. C. Salomon, J. Dalibard, A. Aspect, H. Metcalf, C. Cohen-Tannoudji, **Cooling and channeling atoms in a laser standing wave**, EGAS 20, Graz, Austria, 1988
307. C. Salomon, A. Aspect, J. Dalibard, A. Heidmann, C. Cohen-Tannoudji, **Cooling and channeling atoms with stimulated emission**, General Assembly of the URSI, Tel - Aviv, Israel, 1987