

1. Alexei Abrikosov, ITEP, Russia: *Modified spectral boundary conditions in the bag model* (t)
2. Mauro Antezza, U Trento and INFN-BEC, Italy: *Surface-atom force in and out of thermal equilibrium and its effect on cold atoms* with L.P. Pitaevskii and S. Stringari (t)
3. Manuel Asorey, U Zaragoza, Spain: *Casimir effect and global theory of boundary conditions* (t)
4. Jeffrey Bárcenas, UNAM, Mexico: *Stability of MEMS and NEMS under dispersive forces* (t)
5. Florian Bauer, TU München, Germany: *Quantum effects and the expansion of the universe* (t)
6. Gabriela Beneventano, UN La Plata and CONICET, Argentina: *Finite temperature properties of the Dirac operator under local BC* (t)
7. Marcus Benghi-Pinto, UFSC, Brazil: *Inverse symmetry breaking in multi-scalar field theories* (t)
8. Giuseppe Bimonte, U Napoli, Italy: *Towards measuring variations of the Casimir energy by a superconducting cavity* (t)
9. Michael Bordag, U Leipzig, Germany: *On boundary conditions in electrodynamics* (t), *Gluon polarization tensor in color magnetic background* with V. Skalozub (p)
10. Iver Brevik, NTNU, Trondheim, Norway: *Temperature dependence of the Casimir effect* (t)
11. Fabio Briscese, La Sapienza, Rome, Italy
12. Alexander Burinskii, NSI, Moscow, Russia: *Complex representation of the Kerr spinning particle, Dirac equation and vacuum polarization* (t)
13. Enrico Calloni, U Napoli, Italy: *The Aladin experiment: status and perspective* (t)
14. Alex Calogeracos, U Sussex, UK: *Probability for spontaneous excitation of an accelerated atom* (t)
15. Inés Cavero-Peláez, U Oklahoma, USA: *Casimir energy for a dielectric cylinder* (t)
16. Guido Cognola, U Trento, Italy: *One-loop $f(R)$ theories* (t)
17. Marcus Venicius Cougo Pinto, UFRJ, Rio, Brazil: *Effective action in DSR-1 quantum field theory* (t)
18. Diego Dalvit, Los Alamos, USA: *Hertz potentials approach to the dynamical Casimir effect* (t)
19. Ricardo S. Decca, Indiana U-Purdue U, USA: *Precise measurement of the Casimir force* (t), *Thermal Casimir effect* (p)
20. Victor Dodonov, U Brasilia, Brazil: *Non-stationary Casimir effect in a cavity with periodic time-dependent conductivity of a semiconductor ‘mirror’* (t)
21. Gerald Dunne, U Connecticut, USA: *Quark mass dependence of instanton determinant in QCD* (t)

22. Emilio Elizalde, CSIC and IEEC, Barcelona, Spain: *Uses of zeta and Hadamard regularizations in QFT with BC, or a cosmo-topological Casimir effect* (t)
23. Thorsten Emig, U Köln, Germany: *Geometry and spectrum of Casimir interactions* (t)
24. Giampiero Esposito, INFN, Napoli, Italy: *New developments in the spectral asymptotics of quantum gravity* (t)
25. Raul Esquivel, UNAM, Mexico: *Nonlocal thin films in Casimir forces* (t)
26. Carlos Farina, UFRJ, Rio, Brazil: *Dynamical Casimir effect with Robin BC* (t)
27. Joshua Feinberg, Technion, Haifa, Israel: *Fermion bag solitons in the massive Gross-Neveu and massive Nambu-Jona-Lasinio models: inverse scattering analysis* (t)
28. Ignat Fialkovski, St Petersburg SU, Russia: *Renormalizable mean field calculation in QED with fermion background* (t)
29. Larry Ford, Tufts, Medford, USA: *Enhanced and repulsive Casimir force* (t)
30. Paul Fraser, Heriot-Watt, Edinburgh, UK: *tba* (p)
31. Takahiro Fujihara, Hiroshima U, Japan: *Color superconductivity and radius of a quark star in an extended NJL model by using dimensional regularization* (p)
32. Stephen Fulling, Texas A&M, USA: *Vacuum energy and spectral analysis for Robin boundaries and quantum graphs* (t)
33. Dmitri Fursaev, JINR, Dubna, Russia: *Entanglement entropy in quantum critical phenomena and Quantum Gravity* (t)
34. Dmitry V. Galtsov, Moscow State U, Russia: *Light-like linear dilaton and cosmological singularity* (t)
35. Gloria García Cuadrado, IEEC, Barcelona, Spain
36. Remo Garattini, U Bergamo, Italy: *The cosmological constant as an eigenvalue of a Sturm-Liouville problem and its renormalization* (t)
37. Sergey Gavrilov, Herzen State PU, St Petersburg, Russia: *Effective energy momentum tensor of strong field QED with unstable vacuum* (t)
38. Enrique Gaztañaga, CSIC and IEEC, Barcelona, Spain
39. Holger Gies, U Heidelberg, Germany: *Quantum energies and forces with worldline numerics* (t)
40. Noah Graham, Middlebury College, USA: *Casimir energies and general relativity BC* (t)
41. Javier Grande, U Barcelona, Spain
42. Yulia Grebenyuk, St Petersburg SU, Russia
43. Masako Hayashi, Hiroshima U, Japan: *Thermal and curvature effects to spontaneous symmetry breaking in ϕ^4 theory* (p)
44. Jaume Haro, UPC, Barcelona, Spain: *Pair production in a cavity with moving boundaries* (t)

45. Norman J.M. Horing, Stevens IT, NJ, USA: *Nanostructure Van der Waals interaction between a quantum well and a quantum dot artificial atom* (t)
46. Davide Iannuzzi, Vrije U, Amsterdam, The Netherlands: *On the role of the skin-depth effect and of optical anisotropy on quantum fluctuations of the em field between macroscopic surfaces* (t)
47. Tomohiro Inagaki, Hiroshima U, Japan: *Radiative symmetry breaking and dynamical origin of cosmological constant in ϕ^4 theory with non-linear curvature coupling* (t)
48. Santosh K. Karn, PCCS, UP Technical U, New Delhi, India: *On the equation of state for diquark systems and their importance in astrophysics and cosmology* (t)
49. Claudia Kattán, Apple Computers, Madrid, Spain
50. Woo-Joong Kim, Dartmouth College, NH, USA: *Detection of the dynamical Casimir effect by ultrasensitive atomic spectroscopy* (p)
51. Adrian Kitson, Massey U, New Zealand: *Zero point energy of prolate spheroidal cavity* (t)
52. Israel Klich, Caltech, CA, USA: *Connecting Fermi fields* (t)
53. Galina Klimschitskaya, North-West TU, St Petersburg, Russia: *Rigorous approach to the comparison between experiment and theory in Casimir force measurements* (t), *Casimir-Polder interaction between an atom and a cylinder with application to nanosystems* (p), *Universal behavior of dispersion forces between two dielectric plates in the low-temperature limit* (p)
54. Andrea Lavagno, Politecnico di Torino, Italy: *A stochastic approach to generalized quantum dynamics with long-range forces* (p)
55. Petr Lavrov, TSPU, Tomsk, Russia: *Extended BRST quantization in general coordinates* (t)
56. Fernando Lombardo, U Buenos Aires, Argentina: *Decoherence induced by time-dependent Aharonov-Casher phase* (t)
57. Thorsten Ludwig, TU Berlin, Germany
58. Paulo Maia Neto, UFRJ, Rio, Brazil: *Casimir effect with rough metallic mirrors* (t)
59. Cristina Manuel, IFIC/CSIC, Valencia, Spain: *Color superconductivity in a strong magnetic field* (t)
60. Vladimir Markov, Petersburg Nuclear Physics Inst, Russia: *Casimir effect for thin films in QED* (t)
61. Juan Mateos Guilarte, U Salamanca, Spain: *Quantum corrections to the mass of self-dual vortices* (t)
62. Francisco D. Mazzitelli, U Buenos Aires, Argentina: *Quantum electromagnetic field in a spherical oscillating cavity* (t)
63. Eugenio R. Bezerra de Mello, UFPB, Brazil: *Vacuum polarization in the global monopole background* (t)

64. Tarciro Notarson Chaves Mendes, UFRJ, Rio, Brazil: *A master equation approach for the Van der Waals forces* (t)
65. Kimball Milton, U Oklahoma, USA: *Surface divergences and boundary energies in the Casimir effect* (t)
66. Hyunsoo Min, U Seoul, Korea: *Decay rate of the metastable vacuum in scalar theories* (t)
67. Luis Mochán, UNAM, Mexico: *Casimir torque* (t)
68. Umar Mohideen, U California-Riverside, USA: *Recent advances on precision Casimir force measurements* (t)
69. Moshe Moshe, Technion, Haifa, Israel: *Supersymmetry at finite temperature and the energy-momentum tensor* (t)
70. Vladimir Mostepanenko, NP Scientific Instruments, Moscow, Russia: *Present status of controversies regarding the thermal Casimir force* (t), *Dependencies of the Casimir-Polder interaction between an atom and a cavity wall on atomic and material properties* (p)
71. Vladimir Nesterenko, JINR, Dubna, Russia: *Boundary conditions at spatial infinity for fields in Casimir calculations* (t)
72. Rui Neves, U Algarve, Portugal: *Dark energy dynamics on braneworlds* (t)
73. Cecilia Noguez, UNAM, Mexico: *Interacting surface plasmons between macroscopic bodies: geometrical effects on dispersive forces* (t)
74. Valeri Obukhov, TSPU, Tomsk, Russia: *[see K. Osetrin]*
75. Sergei D. Odintsov, ICREA and IEEC, Barcelona, Spain: *Phantom dark energy and quantum effects* (t)
76. Roger Oliva, CSIC and IEEC, Barcelona, Spain
77. Roberto Onofrio, Dartmouth College, NH, USA: *Towards experimental tests of thermal and dissipative effects in Casimir physics* (t)
78. Konstantin Osetrin, TSPU, Tomsk, Russia: *On the problem of exact integration of mathematical physics equations in curved space-times* (t)
79. David Owen, Ben Gurion U, Beer Sheva, Israel
80. Irina Pirozhenko, JINR, Dubna, Russia: *Casimir effect for spherical and cylindrical plasma shells* (t)
81. Pablo A. González Pisani, UN La Plata and CONICET, Argentina: *Krein formula and heat-kernel expansion for some singular operators* (t)
82. Lev Pitaevskii, U Trento, Italy: *Long-distance behaviour of the surface-atom Casimir force out of thermal equilibrium. New theoretical problems, new experimental possibilities.* (t)
83. Rudnei Ramos, Rio de Janeiro SU, Brazil: *Symmetry aspects in multi-scalar field models* (t)
84. Luis Reyes-Galindo, UNAM, Mexico: *[see J. Barcenás]*

85. Vladimir Ritus, LPI, Moscow, Russia: *The symmetry, connecting the processes in 2- and 4-dimensional space-times, and the value $\alpha_0 = 1/4\pi$ for the bare fine structure constant* (t)
86. Dieter Robaschik, BTU Cottbus, Germany: *Quantum Electrodynamics near a dielectric half-space*, with C. Eberlein (t)
87. Carlos Román-Velázquez, UNAM, Mexico: *Dispersive forces from interacting surface plasmons between a spheroid and a plane: the role of geometry* (p)
88. August Romeo, Barcelona, Spain: *Casimir energy calculation for a purely dielectric cylinder by mode summation* (t)
89. Luigi Rosa, U Napoli, Italy: *[see E. Calloni]*
90. Giuseppe Ruoso, INFN Legnaro, Italia: *MIR: an experiment for the measurement of the dynamical Casimir effect* (t)
91. Marcus Ruser, U Geneva, Switzerland: *A numerical approach to the dynamical Casimir effect* (t)
92. Jorge Russo, ICREA and U Barcelona: *Superstring theory in magnetic fields* (t)
93. Eve Mariel Santangelo, UN La Plata, Argentina: *Relativistic Landau problem at finite temperature* (t)
94. Antonello Scardicchio, MIT, Cambridge, USA: *The Optical Approach to the Casimir Effect* (t)
95. Oliver Schröder, U Plymouth, UK: *On the stability of the Z-string* (t)
96. Neil Scriven, IOP, UK
97. Bo E. Sernelius, Linköping U, Sweden: *Full inclusion of spatial dispersion resolves the controversy regarding the finite-temperature Casimir force between two metal plates* (t)
98. Yurii A. Sitenko, BITP, Kyiv, Ukraine: *Fractionalization of angular momentum in planar quantum systems at non-zero temperature* (t)
99. Vladimir Skalozub, U Dnepropetrovsk, Ukraine: *Generation of magnetic field in $SU(2)$ gluodynamics at high temperature on a lattice* (t)
100. Joan Solà, U Barcelona, Spain: *Cosmology and astrophysics in the light of QFT* (t)
101. Joan Soto, U Barcelona, Spain
102. Hrvoje Štefančić, U Barcelona, Spain: *Crossing of the cosmological constant boundary – an equation of state description* (t)
103. Alexander Studenikin, Moscow SU, Russia: *Neutrino in background matter and external em fields* (t)
104. Vitaly Svetovoy, MESA and U Twente, Enschede, The Netherlands: *Nonlocal impedances and the Casimir entropy at low temperatures* (t)
105. Miguel Tierz, IEEC/CSIC, Barcelona, Spain
106. Marin-Slobodan Tomas, Ruder Boskovic Inst, Zagreb, Croatia: *Medium modified Casimir forces* (p)

107. Ana Ucero, Apple Computers, Madrid, Spain
108. Luciano Vanzo, U Trento, Italy
109. Alexander Vikman, U München, Germany: *B-Inflation/Dark Energy* (t)
110. Carlos Villarreal, UNAM, Mexico: *Electronic Casimir forces* (t), *Thermodynamics of a quantized electromagnetic field in rectangular cavities with perfectly conducting walls* (p)
111. Mihai Visinescu, NIPNE, Magurele-Bucharest, Romania: *Quantum anomalies for generalized Euclidean Taub-NUT metrics* (t)
112. Herbert Weigel, Siegen U, Germany: *Energies of quantum QED flux tubes* (t)
113. Silke Weinfurtner, Victoria U, Wellington, New Zealand: *Constraining quantum gravity phenomenology via analogue spacetime* (t)
114. Sergei Winitzki, U München, Germany: *Cosmological particle production and the precision of the WKB approximation* (t)
115. Andreas Wirzba, Jülich, Germany: *Casimir interaction between normal or superconducting grains in the Fermi sea* (t)
116. Motohiko Yoshimura, Okayama U, Japan: *Laser irradiated rare processes to explore physics beyond the standard model* (t)
117. Sergio Zerbini, U Trento, Italy: *Hawking radiation as tunneling: the D -dimensional rotating case* (t)