

PUBLICACIONES / 2005

1. Alfaro, J. Quantum gravity and Lorentz invariance violation in the standard model. *Phys. Rev. Lett.* 94, 221302 (2005).
2. Alfaro, J. Quantum gravity induced Lorentz invariance violation in the standard model: Hadrons. *Phys. Rev. D* 72, 024027 (2005).
3. An, YA and Aliaga-Rossel, R and Choi, P and Gilles, JP. Development of a short pulsed corona discharge ionization source for ion mobility spectrometry. *Rev. Sci. Instrum.* 76, 085105 (2005).
4. Andrade, T and Banados, M and Benguria, RD and Gomberoff, A. (2+1)-dimensional charged black hole in topologically massive electrodynamics. *Phys. Rev. Lett.* 95, 021102 (2005).
5. Asch, J and Benguria, RD and Stovicek, P. Asymptotic properties of the differential equation $h(3)(d^2h + dh)=1$. *Asymptotic Anal.* 41, 23-40 (2005).
6. Baier-Saip, JA and Avila, JI and Tarrach, G and Cabrera, AL and Fuenzalida, V and Zarate, RA and Schuller, IK. Deep oxidation of aluminum by a DC oxygen plasma. *Surf. Coat. Technol.* 195, 168-175 (2005).
7. Baier-Saip, JA and Ramos-Moor, E and Cabrera, AL. Raman study of phase transitions in KNbO₃. *Solid State Commun.* 135, 367-372 (2005).
8. Banados, M and Olea, R and Theisen, S. Counterterms and dual holographic anomalies in CS gravity. *J. High Energy Phys.*, 067 (2005).
9. Banados, M and Theisen, S. Scale invariant hairy black holes. *Phys. Rev. D* 72, 064019 (2005).
10. Barbaroux, JM and Linde, H and Vugalter, S. Quantitative estimates on the enhanced binding for the Pauli-Fierz operator. *J. Math. Phys.* 46, 122103 (2005).
11. Benguria, RD and Depassier, MC. On the principal bifurcation branch of a third-order nonlinear long-wave equation. *J. Phys. A-math. Gen.* 38, 2043-2053 (2005).
12. Benguria, RD and Depassier, MC. On the transition from pulled to pushed monotonic fronts of the extended Fisher-Kolmogorov equation. *Physica A* 356, 61-65 (2005).
13. Bhuyan, H and Chuaqui, H and Favre, M and Mitchell, I and Wyndham, E. Ion beam emission in a low energy plasma focus device operating with methane. *J. Phys. D - Appl. Phys.* 38, 1164-1169 (2005).
14. Buzek, V and Orszag, M and Rosko, M. Instability and entanglement of the ground state of the Dicke model. *Phys. Rev. Lett.* 94, 163601 (2005).
15. Caballero, LS and Chuaqui, H and Favre, M and Mitchell, I and Wyndham, E. Plasma jet emission in fast-pulsed capillary discharges. *J. Appl. Phys.* 98, 023305 (2005).

16. Castillo, H and Dominguez, CA and Loewe, M. Electromagnetic nucleon form factors from QCD sum rules. *J. High Energy Phys.*, 012 (2005).
17. Claro, F and Cabo, A and March, NH. On the phase diagram of a two-dimensional electron gas near integer fillings and fractions such as $1/5$ and $1/7$. *Phys. Status Solidi B-basic Solid State Phys.* 242, 1817-1819 (2005).
18. de Campos, F and Diaz, MA and Eboli, OJP and Lineros, RA and Magro, MB and Mercadante, PG. Neutrinos in anomaly mediated supersymmetry breaking with R-parity violation. *Phys. Rev. D* 71, 055008 (2005).
19. Diaz, CAU and Flores, JC and Perez Ponce, A. Simple approach to the mesoscopic open electron resonator: quantum current oscillations. *Solid State Commun.* 133, 93-96 (2005).
20. Diaz, MA and Perez, PF. Can we distinguish between $h(\text{SM})$ and $h(0)$ in split supersymmetry?. *J. Phys. G-nucl. Part. Phys.* 31, 563-569 (2005).
21. Dorsner, I and Fileviez Perez, P. Unification without supersymmetry: Neutrino mass, proton decay and light leptiquarks. *Nucl. Phys. B* 723, 53-76 (2005).
22. Dorsner, I and Fileviez Perez, P. How long could we live?. *Phys. Lett. B* 625, 88-95 (2005).
23. Dorsner, I and Perez, PF. Distinguishing between $\text{SU}(5)$ and flipped $\text{SU}(5)$. *Phys. Lett. B* 605, 391-398 (2005).
24. Dorsner, I and Perez, PF. Could we rotate proton decay away?. *Phys. Lett. B* 606, 367-370 (2005).
25. Hidalgo, CA and Claro, F and Marquet, PA. Stationary state structure of a random copying mechanism over a complex network. *Physica A* 353, 674-684 (2005).
26. Jensen, PJ and Dreyse, H and Kiwi, M. Magnetic reordering in the vicinity of a ferromagnetic/antiferromagnetic interface. *Eur. Phys. J. B* 46, 541-551 (2005).
27. Kruchten, F and Knorr, K and Volkmann, UG and Taub, H and Hansen, FY and Matthies, B and Herwig, KW. Ellipsometric and neutron diffraction study of pentane physisorbed on graphite. *Langmuir* 21, 7507-7512 (2005).
28. Loewe, M and Mendizabal, S and Rojas, JC. Topological field configurations in the presence of isospin chemical potential. *Phys. Lett. B* 609, 437-441 (2005).
29. Loewe, M and Mendizabal, S and Rojas, JC. Weinberg-Salam model at finite temperature and density. *Phys. Lett. B* 617, 87-91 (2005).
30. Loewe, M and Villavicencio, C. Two-flavor condensates in chiral dynamics: Temperature and isospin density effects. *Phys. Rev. D* 71, 094001 (2005).
31. Mejia-Lopez, J and Soto, P and Altbir, D. Asymmetric reversal of the hysteresis loop in exchange-biased nanodots. *Phys. Rev. B* 71, 104422 (2005).

32. Miskovic, O and Troncoso, R and Zanelli, J. Canonical sectors of five-dimensional Chern-Simons theories. *Phys. Lett. B* 615, 277-284 (2005).
33. Mitchell, IH and Gomez, JA and Suzuki, FA and Aliaga-Rossel, R and Chuaqui, H and Favre, M and Wyndham, E. X-ray emission from 125 μ m diameter aluminium wire x-pinch at currents of 400 kA. *Plasma Sources Sci. Technol.* 14, 501-508 (2005).
34. Olea, R. Mass, angular momentum and thermodynamics in four-dimensional Kerr-AdS black holes. *J. High Energy Phys.*, 023 (2005).
35. Olea, R. Charged rotating black hole formation from thin shell collapse in three dimensions. *Mod. Phys. Lett. A* 20, 2649-2665 (2005).
36. Orszag, M and Larrain, F. Generation of a C-NOT gate using a trapped ion. *J. Opt. B-quantum Semicl. Opt.* 7, S754-S756 (2005).
37. Orszag, M and Mundarain, D. Continuous teleportation of the photon statistics of squeezed states. *J. Phys. A-math. Gen.* 38, 6571-6577 (2005).
38. Orszag, PM and Gonzalez, J and Dagach, S. Proposal for a universal quantum copying machine in cavity QED via a dispersive interaction. *J. Opt. B-quantum Semicl. Opt.* 7, S648-S651 (2005).
39. Perez, FW. How large could the R-parity violating couplings be?. *J. Phys. G-nucl. Part. Phys.* 31, 1025-1030 (2005).
40. Robles, P and Claro, F and Rojas, R. Local electric field enhancement near arrays of polarizable cylindrical tubes. *Phys. Rev. B* 71, 195407 (2005).
41. Rogan, J and Garcia, G and Valdivia, JA and Orellana, W and Romero, AH and Ramirez, R and Kiwi, M. Small Pd clusters: A comparison of phenomenological and ab initio approaches. *Phys. Rev. B* 72, 115421 (2005).
42. Trogisch, S and Simpson, MJ and Taub, H and Volkmann, UG and Pino, M and Hansen, FY. Atomic force microscopy measurements of topography and friction on dotriacontane films adsorbed on a SiO₂ surface. *J. Chem. Phys.* 123, 154703 (2005).
43. Valencia, F and Romero, AH and Kiwi, M and Ramirez, R and Toro-Labbe, A. Polycubanes linked with C-2, N-2, NO, and NS: From insulating to metallic behavior. *Phys. Rev. B* 71, 033410 (2005).
44. Wallentowitz, S and Toschek, PE. Comment on "Impossibility of distant indirect measurement of the quantum Zeno effect". *Phys. Rev. A* 72, 046101 (2005).
45. Wyndham, ES and Favre, M and Chuaqui, H and Choi, P and Lenero, AM and Diaz, JS. Reproducibility of a titanium plasma vacuum spark discharge. *Ieee Trans. Plasma Sci.* 33, 1662-1667 (2005).