

PUBLICACIONES / 2006

1. Aguilera-Granja, F and Vega, A and Rogan, Jose and Andrade, X and Garcia, G. Theoretical investigation of free-standing CoPd nanoclusters as a function of cluster size and stoichiometry in the Pd-rich phase: Geometry, chemical order, magnetism, and metallic behavior. *Phys. Rev. B* 74, 224405 (2006).
2. Akeroyd, A G and Alves, A and Diaz, M A and Eboli, O. Multi-photon signatures at the fermilab tevatron. *Eur. Phys. J. C* 48, 147-157 (2006).
3. Alfaro, J and Andrianov, A A and Cambiaso, M and Giacconi, P and Soldati, R. On the consistency of Lorentz invariance violation in QED induced by fermions in constant axial-vector background. *Phys. Lett. B* 639, 586-590 (2006).
4. Banados, M and Barnich, G and Compere, G and Gomberoff, A. Three-dimensional origin of Godel spacetimes and black holes. *Phys. Rev. D* 73, 044006 (2006).
5. Banados, Maximo and Miskovic, Olivera and Theisen, Stefan. Holographic currents in first order gravity and finite Fefferman-Graham expansions. *J. High Energy Phys.*, 025 (2006).
6. Banados, Maximo and Schwimmer, Adam and Theisen, Stefan. Remarks on resonant scalars in the AdS/CFT correspondence. *J. High Energy Phys.*, 058 (2006).
7. Benguria, R and Brummelhuis, R and Duclos, P and Perez-Oyarzun, S and Vytras, P. Non-relativistic H(2)(+)-molecule in a strong magnetic field. *Few Body Syst.* 38, 133-137 (2006).
8. Benguria, Rafael and Brummelhuis, Raymond and Duclos, Pierre and Perez-Oyarzun, Santiago and Vytras, Petr. Asymptotic behaviour of the equilibrium nuclear separation for the H(2)(+) molecule in a strong magnetic field. *J. Phys. A* 39, 8451-8459 (2006).
9. Bhuyan, H and Favre, M and Valderrama, E and Chuaqui, H and Wyndham, E. Experimental studies of ion beam anisotropy in a low energy plasma focus operating with methane. *J. Phys. D* 39, 3596-3602 (2006).
10. Blackburn, P and Orszag, M. A single-ion stochastic quantum processor. *Int. J. Mod. Phys. B* 20, 1679-1689 (2006).
11. Borissova, J and Ivanov, V D and Minniti, D and Geisler, D. Discovery of new Milky Way star cluster candidates in the 2MASS point source catalog. V. Follow-up observations of the young stellar cluster candidates RCW 87, [*Astron. Astrophys.* 455, 923-930 (2006).
12. Buzek, V and Orszag, M and Rosko, M. Comment on Instability and entanglement of the ground state of the Dicke model - Reply. *Phys. Rev. Lett.* 96, 089302 (2006).
13. Cabo, A and Claro, F and Menendez-Proupin, E and Cruz-Hernandez, N and Fernandez-Sanz, J. Proposal for a modified Moller-Plesset perturbation theory. *Phys. Rev. A* 73, 012510 (2006).
14. Depassier, M C. Evolution equation for bidirectional surface waves in a convecting fluid. *Phys. Fluids* 18, 107102 (2006).

15. Herrera, Barbara and Valencia, Felipe and Romero, Aldo H and Kiwi, Miguel and Ramirez, Ricardo and Toro-Labbe, Alejandro. Cubane oligomers: A density functional theory study. *Theochem J. Mol. Struct.* 769, 183-187 (2006).
16. Heyderman, LJ and Nolting, F and Backes, D and Czekaj, S and Lopez-Diaz, L and Klaui, M and Rudiger, U and Vaz, CAF and Bland, JAC and Matelon, RJ and Volkmann, UG and Fischer, P. Magnetization reversal in cobalt antidot arrays. *Phys. Rev. B* 73, 214429 (2006).
17. Ivanov, D and Wallentowitz, S. Test of the quantumness of atom-atom correlations in a bosonic gas. *Europhys. Lett.* 73, 499-505 (2006).
18. Ivanov, D and Wallentowitz, S. Making atom-atom correlations observable by feedback control. *Laser Phys.* 16, 683-686 (2006).
19. Loewe, M and Mendizabal, S and Rojas, JC. Skyrme model and isospin chemical potential. *Phys. Lett. B* 632, 512-516 (2006).
20. Loewe, M and Mendizabal, S and Rojas, JC. Background field method at finite temperature and density. *Phys. Lett. B* 635, 213-217 (2006).
21. Loewe, M and Villavicencio, C. Thermal pions and isospin chemical potential effects. *Nucl. Phys. B Proc. Suppl.* 152, 249-252 (2006).
22. Loewe, M and Mendizabal, S and Rojas, J C. Skyrmions, hadrons and isospin chemical potential. *Phys. Lett. B* 638, 464-467 (2006).
23. March, NH and Cabo, A and Claro, F. Phase diagram of two-dimensional electron gas in a perpendicular magnetic field around Landau level filling factors $\nu=1$ and 3. *Phys. Lett. A* 349, 271-275 (2006).
24. Martinez, Cristian and Troncoso, Ricardo and Staforelli, Juan Pablo. Topological black holes dressed with a conformally coupled scalar field and electric charge. *Phys. Rev. D* 74, 044028 (2006).
25. Mata, G J and Pestana, E and Kiwi, Miguel and Dreyse, Hugues. Quantum fluctuations and the exchange bias field. *Phys. Rev. B* 74, 144407 (2006).
26. Mejia-Lopez, J and Altbir, D and Romero, A H and Batlle, X and Roshchin, Igor V and Li, Chang-Peng and Schuller, Ivan K. Vortex state and effect of anisotropy in sub-100-nm magnetic nanodots. *J. Appl. Phys.* 100, 104319 (2006).
27. Mejia-Lopez, Jose and Romero, Aldo H and Garcia, Martin E and Moran-Lopez, J L. Noncollinear magnetism, spin frustration, and magnetic nanodomains in small Mn-n clusters. *Phys. Rev. B* 74, 140405 (2006).
28. Miskovic, Olivera and Olea, Rodrigo. On boundary conditions in three-dimensional AdS gravity. *Phys. Lett. B* 640, 101-107 (2006).
29. Miskovic, Olivera and Pons, Josep M. Fluctuations around classical solutions for gauge theories in Lagrangian and Hamiltonian approach. *J. Phys. A* 39, 9611-9633 (2006).

30. Miskovic, Olivera and Troncoso, Ricardo and Zanelli, Jorge. Dynamics and BPS states of AdS(5) supergravity with a Gauss-Bonnet term. *Phys. Lett. B* 637, 317-325 (2006).
31. Mundarain, D and Orszag, M and Stephany, J. Total quantum Zeno effect and intelligent states for a two-level system in a squeezed bath. *Phys. Rev. A* 74, 052107 (2006).
32. Orellana, W and Gutierrez, G and Menendez-Proupin, E and Rogan, J and Garcia, G and Manoun, B and Saxena, S. Ab initio study of Ti₃Si_{0.5}Ge_{0.5}C₂ under pressure. *J. Phys. Chem. Solids* 67, 2149-2153 (2006).
33. Ramirez, R and Weissmann, M and Garcia, G and Kiwi, M. Carbon encapsulated iron nanowires. *Mater. Sci.* 24, (2006).
34. Ramos-Moore, E and Baier-Saip, J A and Cabrera, A L. Desorption of carbon dioxide from small potassium niobate particles induced by the particles ferroelectric transition. *Surf. Sci.* 600, 3472-3476 (2006).
35. Rogan, Jose and Garcia, Griselda and Loyola, Claudia and Orellana, W and Ramirez, Ricardo and Kiwi, Miguel. Alternative search strategy for minimal energy nanocluster structures: The case of rhodium, palladium, and silver. *J. Chem. Phys.* 125, 214708 (2006).
36. Romero, A H and Mejia-Lopez, J. Ground state geometries and hysteresis loops of small granular ferrofluids as function of coating. *Physica B* 384, 244-248 (2006).
37. Torres, ES and Goncalves, S and Scherer, C and Kiwi, M. Nanoscale sliding friction versus commensuration ratio: Molecular dynamics simulations. *Phys. Rev. B* 73, 035434 (2006).
38. Veloso, F and Chuaqui, H and Aliaga-Rossel, R and Favre, M and Mitchell, IH and Wyndham, E. Laser-produced annular plasmas. *Rev. Sci. Instrum.* 77, 063506 (2006).
39. Wallentowitz, S and Toschek, PE. Comment on: "Complete resolution of the quantum Zeno paradox for outside observers". *Phys. Lett. A* 355, 489-492 (2006).
40. Weiglein, G and Barklow, T and Boos, E and De Roeck, A and Desch, K and Gianotti, F and Godbole, R and Gunion, JF and Haber, HE and Heinemeyer, S and Hewett, JL and Kawagoe, K and Monig, K and Nojiri, MM and Polesello, G and Richard, F and Riemann, S and Stirling, WJ and Akeroyd, AG and Allanach, BC and Asner, D and Asztalos, S and Baer, H and Battaglia, M and Baur, U and Bechtle, P and Belanger, G and Belyaev, A and Berger, EL and Binoth, T and Blair, GA and Boogert, S and Boudjema, F and Bourilkov, D and Buchmuller, W and Bunichev, V and Cerminara, G and Chiorboli, M and Davoudiasl, H and Dawson, S and De Curtis, S and Deppisch, F and Diaz, MA and Dittmar, M and Djouadi, A and Dominici, D and Ellwanger, U and Feng, JL and Ginzburg, IF and Giolo-Nicollerat, A and Gjelsten, BK and Godfrey, S and Grellscheid, D and Gronberg, J and Gross, E and Guasch, J and Hamaguchi, K and Han, T and Hisano, J and Hollik, W and Hugonie, C and Hurth, T. Physics interplay of the LHC and the ILC. *Phys. Rep.* 426, 47-358 (2006).
41. Weissmann, M and Garcia, G and Kiwi, M and Ramirez, R and Fu, CC. Theoretical study of iron-filled carbon nanotubes. *Phys. Rev. B* 73, 125435 (2006).
42. Wyndham, E S and Favre, M and Aliaga-Rossel, R. The formation of metallic plasmas in transient capillary discharges at high current. *Plasma Sources Sci. Technol.* 15, 538-545 (2006).

43. Zhang, Qidao and Aliaga-Rossel, R and Choi, P. Denoising of gamma-ray signals by interval-dependent thresholds of wavelet analysis. *Meas. Sci. Technol.* 17, 731-735 (2006).