

## PUBLICACIONES / 2013

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1. Alfaro, Jorge and Gonzalez, Pablo. Cosmology in delta-gravity. *Class. Quantum Gravity* 30, 085002 (2013).
2. Alfaro, Jorge and Rivelles, Victor O. Non-Abelian fields in very special relativity. *Phys. Rev. D* 88, 085023 (2013).
3. Aomoa, N and Bhuyan, H and Cabrera, A L and Favre, M and Diaz-Droguett, D E and Rojas, S and Ferrari, P and Srivastava, D N and Kakati, M. Rapid synthesis of carbon nanoparticles with an optimized combination of specific surface area and crystallinity by a plasma-assisted single-step process. *J. Phys. D-appl. Phys.* 46, 165501 (2013).
4. Ayala, Alejandro and Dominguez, C A and Alberto Hernandez, Luis and Loewe, M and Julia Mizher, Ana. Dimuon production from in-medium rho decays from QCD sum rules. *Phys. Rev. D* 88, 114028 (2013).
5. Baier-Saip, J A and Gutierrez, M H and Cabrera, A L and Baier, P A. Hysteresis in the rhombohedral-orthorhombic phase transition of KNbO<sub>3</sub> under inhomogeneous strain. *Solid State Commun.* 154, 6-10 (2013).
6. Banados, Maximo and Deffayet, Cedric and Pino, Miguel. The Boulware-Deser mode in 3D first-order massive gravity. *Phys. Rev. D* 88, 124016 (2013).
7. Banados, Maximo and Pino, Miguel. A note on the Cardy formula and black holes in 3D (massive) bigravity. *Class. Quantum Gravity* 30, 045012 (2013).
8. Barnich, Glenn and Gomberoff, Andres and Gonzalez, Hernan A. Three-dimensional Bondi-Metzner-Sachs invariant two-dimensional field theories as the flat limit of Liouville theory. *Phys. Rev. D* 87, 124032 (2013).
9. Barnich, Glenn and Gonzalez, Hernan A. Dual dynamics of three dimensional asymptotically flat Einstein gravity at null infinity. *J. High Energy Phys.*, 016 (2013).
10. Bora, B and Aomoa, N and Kakati, M and Bhuyan, H. Studies on a supersonic thermal plasma expansion process for synthesis of titanium nitride nanoparticles. *Powder Technol.* 246, 413-418 (2013).
11. Bora, B and Bhuyan, H and Favre, M and Wyndham, E and Chuaqui, H and Wong, C S. Measurements of plasma parameters in capacitively coupled radio frequency plasma from discharge characteristics: Correlation with optical emission spectroscopy. *Curr. Appl. Phys.* 13, 1448-1453 (2013).
12. Bora, B and Bhuyan, H and Favre, M and Wyndham, E and Wong, C S. Dual radio frequency plasma source: Understanding via electrical asymmetry effect. *J. Appl. Phys.* 113, 153301 (2013).

13. Bora, B and Wong, C S and Bhuyan, H and Lee, Y S and Yap, S L and Favre, M. Understanding the mechanism of nanoparticle formation in wire explosion process. *J. Quant. Spectrosc. Radiat. Transf.* 117, 1-6 (2013).
14. Caprile, Paola and Sanchez-Nieto, Beatriz and Matias Pino, Alejandro and Fernando Delgado, Juan. Effects Of Heating Rate And Dose On Trapping Parameters Of Tld-100 Crystals. *Health Phys.* 104, 218-223 (2013).
15. Carcamo, D and Das, Ashok and Gamboa, J and Loewe, M. Particle-antiparticle asymmetry from magnetogenesis through the Landau mechanism. *Phys. Lett. B* 718, 1548-1551 (2013).
16. Ciobanu, N and Enaki, N A and Orszag, M. Manipulation of the atomic localization via resonance fluorescence. *Phys. Scr.* T153, 014011 (2013).
17. Ciobanu, N and Enaki, N A and Orszag, M. Quantum beats and localization of two atoms in the subwavelength regime. *J. Phys. B-at. Mol. Opt. Phys.* 46, 155501 (2013).
18. Contreras, Carlos and Koch, Benjamin and Rioseco, Paola. Black hole solution for scale-dependent gravitational couplings and the corresponding coupling flow. *Class. Quantum Gravity* 30, 175009 (2013).
19. Coto, Raul and Orszag, Miguel. Propagation and distribution of quantum correlations in a cavity QED network. *J. Phys. B-at. Mol. Opt. Phys.* 46, 175503 (2013).
20. Dominguez, C A and Loewe, M and Zhang, Y. Bottomonium in QCD at finite temperature. *Phys. Rev. D* 88, 054015 (2013).
21. Dominguez, C A and Loewe, M and Zhang, Y. The  $a(1)(1260)$  meson and chiral symmetry restoration and deconfinement at finite temperature QCD. *Nucl. Phys. B-proc. Suppl.* 234, 305-308 (2013).
22. Dreau, A and Spinicelli, P and Maze, J R and Roch, J F and Jacques, V. Single-Shot Readout of Multiple Nuclear Spin Qubits in Diamond under Ambient Conditions. *Phys. Rev. Lett.* 110, 060502 (2013).
23. Espinoza, Ignacio and Peschke, Peter and Karger, Christian P. A model to simulate the oxygen distribution in hypoxic tumors for different vascular architectures. *Med. Phys.* 40, 081703 (2013).
24. Exposito, Maite R and Sanchez-Nieto, Beatriz and Terron, Jose A and Domingo, Carles and Gomez, Faustino and Sanchez-Doblado, Francisco. Neutron contamination in radiotherapy: Estimation of second cancers based on measurements in 1377 patients. *Radiother. Oncol.* 107, 234-241 (2013).
25. Frodden, Ernesto and Ghosh, Amit and Perez, Alejandro. Quasilocal first law for black hole thermodynamics. *Phys. Rev. D* 87, 121503 (2013).
26. Fuentes, S and Chavez, E and Padilla-Campos, L and Diaz-Droguett, D E. Influence of reactant type on the Sr incorporation grade and structural characteristics of  $Ba_{1-x}Sr_xTiO_3$  ( $x=0-1$ ) grown by sol-gel-hydrothermal synthesis. *Ceram. Int.* 39, 8823-8831 (2013).

27. Gachot, Carsten and Rosenkranz, Andreas and Reinert, Leander and Ramos-Moore, Esteban and Souza, Nicolas and Mueser, Martin H and Muecklich, Frank. Dry Friction Between Laser-Patterned Surfaces: Role of Alignment, Structural Wavelength and Surface Chemistry. *Tribol. Lett.* 49, 193-202 (2013).
28. Gali, Adam and Maze, Jeronimo R. Ab initio study of the split silicon-vacancy defect in diamond: Electronic structure and related properties. *Phys. Rev. B* 88, 235205 (2013).
29. Godoy, S and Seifert, B and Wallentowitz, S. Mimicking anti-correlations with classical interference. *Phys. Scr.* T153, 014030 (2013).
30. Gonzalez, Hernan A and Matulich, Javier and Pino, Miguel and Troncoso, Ricardo. Asymptotically flat spacetimes in three-dimensional higher spin gravity. *J. High Energy Phys.*, 016 (2013).
31. Guitar, M A and Woll, K and Ramos-Moore, E and Muecklich, F. Study of grain growth and thermal stability of nanocrystalline RuAl thin films deposited by magnetron sputtering. *Thin Solid Films* 527, 1-8 (2013).
32. Guzman, F and Favre, M and Ruiz, H M and Hevia, S and Caballero, L S and Wyndham, E S and Bhuyan, H and Flores, M and Maendl, S. Pulsed laser deposition of thin carbon films in a neutral gas background. *J. Phys. D-appl. Phys.* 46, 215202 (2013).
33. Hirsch, M and Lineros, R A and Morisi, S and Palacio, J and Rojas, N and Valle, J W F. WIMP dark matter as radiative neutrino mass messenger. *J. High Energy Phys.*, 149 (2013).
34. Hojman, Sergio A and Koch, Benjamin. Closing a Window for Massive Photons. *Adv. High. Energy Phys.*, 967805 (2013).
35. Lerner, Edan and During, Gustavo and Wyart, Matthieu. Low-energy non-linear excitations in sphere packings. *Soft Matter* 9, 8252-8263 (2013).
36. Ley Dominguez, D and da Silva, G L and Rodriguez-Suarez, R L and Rezende, S M and Azevedo, A. Strong magnetization damping induced by Ag nanostructures in Ag/NiFe/Ag trilayers. *J. Appl. Phys.* 114, 023905 (2013).
37. Loewe, M and Marquez, F and Villavicencio, C. Nonlocal Nambu-Jona-Lasinio model with a fractional Lorentzian regulator in the real time formalism. *Phys. Rev. D* 88, 056004 (2013).
38. Lucic, Felipe and Sanchez-Nieto, Beatriz and Caprile, Paola and Zelada, Gabriel and Goset, Karen. Dosimetric characterization and optimization of a customized Stanford Total Skin Electron Irradiation (TSEI) technique. *J. Appl. Clin. Med. Phys* 14, 231-242 (2013).
39. Martinez, G and Tangarife, E and Perez, M and Mejia-Lopez, J. Magnetic properties of small cobalt-copper clusters. *J. Phys.-condes. Matter* 25, 216003 (2013).
40. Merker, L and Kirchner, S and Munoz, E and Costi, T A. Conductance scaling in Kondo-correlated quantum dots: Role of level asymmetry and charging energy. *Phys. Rev. B* 87, 165132 (2013).

41. Munoz, Enrique and Bolech, C J and Kirchner, Stefan. Universal Out-of-Equilibrium Transport in Kondo-Correlated Quantum Dots: Renormalized Dual Fermions on the Keldysh Contour. *Phys. Rev. Lett.* 110, 016601 (2013).
42. Munoz, F and Romero, A H and Mejia-Lopez, J and Moran-Lopez, J L. Finite size effects on the magnetocrystalline anisotropy energy in Fe magnetic nanowires from first principles. *J. Nanopart. Res.* 15, (2013).
43. Pizarro, Guadalupe del C and Marambio, Oscar G and Gonzalez Henriquez, C M and Sarabia Vallejos, M and Geckeler, Kurt E. Nanoreactors based on self-assembled amphiphilic diblock copolymers for the preparation of ZnO nanoparticles. *Eur. Polym. J.* 49, 3483-3491 (2013).
44. Raillard, Brice and Remond, Justine and Ramos-Moore, Esteban and Souza, Nicolas and Gachot, Carsten and Muecklich, Frank. Wetting Properties of Steel Surfaces Modified by Laser Interference Metallurgy. *Adv. Eng. Mater.* 15, 341-346 (2013).
45. Rezende, S M and Rodriguez-Suarez, R L and Azevedo, A. Magnetic relaxation due to spin pumping in thick ferromagnetic films in contact with normal metals. *Phys. Rev. B* 88, 014404 (2013).
46. Rezende, S M and Rodriguez-Suarez, R L and Soares, M M and Vilela-Leao, L H and Ley Dominguez, D and Azevedo, A. Enhanced spin pumping damping in yttrium iron garnet/Pt bilayers. *Appl. Phys. Lett.* 102, 012402 (2013).
47. Samith, Vicente D and Mino, German and Ramos-Moore, E and Arancibia-Miranda, Nicolas. Effects of pluronic F68 micellization on the viability of neuronal cells in culture. *J. Appl. Polym. Sci.* 130, 2159-2164 (2013).
48. Scott, G D and Natelson, D and Kirchner, S and Munoz, E. Transport characterization of Kondo-correlated single-molecule devices. *Phys. Rev. B* 87, 241104 (2013).
49. Spehner, D and Orszag, M. Geometric quantum discord with Bures distance. *New J. Phys.* 15, 103001 (2013).
50. Suarez, Sebastian and Ramos-Moore, Esteban and Muecklich, Frank. A high temperature X-ray diffraction study of the influence of MWCNTs on the thermal expansion of MWCNT/Ni composites. *Carbon* 51, 404-409 (2013).
51. Valdivia, M P and Wyndham, E S and Ramos-Moore, E and Ferrari, P and Favre, M. Observations of soft x-ray emission and wall ablation in a fast low-energy pulsed capillary discharge. *J. Phys. D-appl. Phys.* 46, 315201 (2013).
52. Valenzuela, J C and Wyndham, E S and Favre, M and Chuaqui, H. Observations of soft X-ray emission and plasma dynamics of a compact capillary discharge operated in xenon. *Phys. Plasmas* 20, 093113 (2013).
53. Velasquez, E A and Mazo-Zuluaga, J and Mejia-Lopez, J. Size dependence study of the ordering temperature in the Fast Monte Carlo method. *J. Nanopart. Res.* 15, 1437 (2013).
54. ATLAS Collab. Measurement of the top quark charge in pp collisions at  $\sqrt{s}=7$  TeV with the ATLAS detector. *J. High Energy Phys.*, 031 (2013).

55. ATLAS Collab. Search for direct third-generation squark pair production in final states with missing transverse momentum and two b-jets in root  $s=8$  TeV pp collisions with the ATLAS detector. *J. High Energy Phys.*, 189 (2013).
56. ATLAS Collab. Search for new phenomena in final states with large jet multiplicities and missing transverse momentum at root  $s=8$  TeV proton-proton collisions using the ATLAS experiment. *J. High Energy Phys.*, 130 (2013).
57. ATLAS Collab. Dynamics of isolated-photon plus jet production in pp collisions at root  $s=7$  TeV with the ATLAS detector. *Nucl. Phys. B* 875, 483-535 (2013).
58. ATLAS Collab. Measurement of the Azimuthal Angle Dependence of Inclusive Jet Yields in Pb plus Pb Collisions at root  $s(\text{NN})=2.76$  TeV with the ATLAS Detector. *Phys. Rev. Lett.* 111, 152301 (2013).
59. ATLAS Collab. Measurement of the differential cross-section of B+ meson production in pp collisions at root  $s=7$  TeV at ATLAS. *J. High Energy Phys.*, (2013).
60. ATLAS Collab. Search for microscopic black holes in a like-sign dimuon final state using large track multiplicity with the ATLAS detector. *Phys. Rev. D* 88, 072001 (2013).
61. ATLAS Collab. Measurement of the high-mass Drell-Yan differential cross-section in pp collisions at root  $s=7$  TeV with the ATLAS detector. *Phys. Lett. B* 725, 223-242 (2013).
62. ATLAS Collab. Performance of jet substructure techniques for large-R jets in proton-proton collisions at root  $s=7$  TeV using the ATLAS detector. *J. High Energy Phys.*, 076 (2013).
63. ATLAS Collab. Search for excited electrons and muons in root  $s=8$  TeV proton-proton collisions with the ATLAS detector. *New J. Phys.* 15, 093011 (2013).
64. ATLAS Collab. Search for long-lived, heavy particles in final states with a muon and multi-track displaced vertex in proton-proton collisions at root  $s=7$  TeV with the ATLAS detector. *Phys. Lett. B* 719, 280-298 (2013).
65. ATLAS Collab. A search for prompt lepton-jets in pp collisions at root  $s=7$  TeV with the ATLAS detector. *Phys. Lett. B* 719, 299-317 (2013).
66. ATLAS Collab. Measurement of the  $\Lambda(0)b$  lifetime and mass in the ATLAS experiment. *Phys. Rev. D* 87, 032002 (2013).
67. ATLAS Collab. Measurement of the flavour composition of dijet events in pp collisions at root  $s=7$  TeV with the ATLAS detector. *Eur. Phys. J. C* 73, 2301 (2013).
68. ATLAS Collab. Search for the neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at root  $s=7$  TeV with the ATLAS detector. *J. High Energy Phys.*, 095 (2013).
69. ATLAS Collab. Search for pair production of heavy top-like quarks decaying to a high- $p(T)$  W boson and a b quark in the lepton plus jets final state at root  $s=7$  TeV with the ATLAS detector. *Phys. Lett. B* 718, 1284-1302 (2013).

70. ATLAS Collab. Search for squarks and gluinos with the ATLAS detector in final states with jets and missing transverse momentum using 4:7 fb<sup>-1</sup> of root s=7 TeV proton-proton collision data. *Phys. Rev. D* 87, 012008 (2013).
71. ATLAS Collab. Measurement of Z Boson Production in Pb-Pb Collisions at root s(NN)=2.76 TeV with the ATLAS Detector. *Phys. Rev. Lett.* 110, 022301 (2013).
72. ATLAS Collab. Search for direct production of charginos and neutralinos in events with three leptons and missing transverse momentum in root s=7 TeV pp collisions with the ATLAS detector. *Phys. Lett. B* 718, 841-859 (2013).
73. ATLAS Collab. Search for new phenomena in the WW → ν ν̄ final state in pp collisions at root s=7 TeV with the ATLAS detector. *Phys. Lett. B* 718, 860-878 (2013).
74. ATLAS Collab. Search for direct slepton and gaugino production in final states with two leptons and missing transverse momentum with the ATLAS detector in pp collisions at root s=7 TeV. *Phys. Lett. B* 718, 879-901 (2013).
75. ATLAS Collab. Search for contact interactions and large extra dimensions in dilepton events from pp collisions at root s=7 TeV with the ATLAS detector. *Phys. Rev. D* 87, 015010 (2013).
76. ATLAS Collab. Search for Dark Matter Candidates and Large Extra Dimensions in Events with a Photon and Missing Transverse Momentum in pp Collision Data at root s=7 TeV with the ATLAS Detector. *Phys. Rev. Lett.* 110, 011802 (2013).
77. ATLAS Collab. Measurements of top quark pair relative differential cross-sections with ATLAS in pp collisions at root s=7 TeV. *Eur. Phys. J. C* 73, 2261 (2013).
78. ATLAS Collab. Search for pair-produced massive coloured scalars in four-jet final states with the ATLAS detector in proton-proton collisions at root s=7 TeV. *Eur. Phys. J. C* 73, 2263 (2013).
79. ATLAS Collab. Search for resonances decaying into top-quark pairs using fully hadronic decays in pp collisions with ATLAS at root s=7 TeV. *J. High Energy Phys.*, 116 (2013).
80. ATLAS Collab. Search for direct chargino production in anomaly-mediated supersymmetry breaking models based on a disappearing-track signature in pp collisions at root s=7 TeV with the ATLAS detector. *J. High Energy Phys.*, 131 (2013).
81. ATLAS Collab. Measurement of isolated-photon pair production in pp collisions at root s=7 TeV with the ATLAS detector. *J. High Energy Phys.*, 086 (2013).
82. ATLAS Collab. ATLAS search for new phenomena in dijet mass and angular distributions using pp collisions at root s=7 TeV. *J. High Energy Phys.*, 029 (2013).
83. ATLAS Collab. Measurement with the ATLAS detector of multi-particle azimuthal correlations in p plus Pb collisions at root s(NN)=5.02 TeV. *Phys. Lett. B* 725, 60-78 (2013).
84. ATLAS Collab. Measurement of charged-particle event shape variables in inclusive root(s)=7 TeV proton-proton interactions with the ATLAS detector. *Phys. Rev. D* 88, (2013).

85. ATLAS Collab. Measurement of the inclusive jet cross-section in pp collisions at root s=2.76 TeV and comparison to the inclusive jet cross-section at root s=7 TeV using the ATLAS detector. *Eur. Phys. J. C* 73, 2509 (2013).
86. ATLAS Collab. Improved luminosity determination in pp collisions at root s=7 TeV using the ATLAS detector at the LHC. *Eur. Phys. J. C* 73, 2518 (2013).
87. ATLAS Collab. Search for t(t)over-bar resonances in the lepton plus jets final state with ATLAS using 4.7 fb(-1) of pp collisions at root s=7 TeV. *Phys. Rev. D* 88, 012004 (2013).
88. ATLAS Collab. Measurement of the production cross section of jets in association with a Z boson in pp collisions at root s=7 TeV with the ATLAS detector. *J. High Energy Phys.*, 032 (2013).
89. ATLAS Collab. Characterisation and mitigation of beam-induced backgrounds observed in the ATLAS detector during the 2011 proton-proton run. *J. Instrum.* 8, P07004 (2013).
90. ATLAS Collab. Triggers for displaced decays of long-lived neutral particles in the ATLAS detector. *J. Instrum.* 8, P07015 (2013).
91. ATLAS Collab. Search for nonpointing photons in the diphoton and E-T(miss) final state in root s=7 TeV proton-proton collisions using the ATLAS detector. *Phys. Rev. D* 88, 012001 (2013).
92. ATLAS Collab. Search for resonant diboson production in the WW/WZ -> lvjj decay channels with the ATLAS detector at root s=7 TeV. *Phys. Rev. D* 87, 112006 (2013).
93. ATLAS Collab. Search for a heavy narrow resonance decaying to e mu, e tau, or mu tau with the ATLAS detector in root s=7 TeV pp collisions at the LHC. *Phys. Lett. B* 723, 15-32 (2013).
94. ATLAS Collab. Measurements of W gamma and Z gamma production in pp collisions at root s=7 TeV with the ATLAS detector at the LHC. *Phys. Rev. D* 87, 112003 (2013).
95. ATLAS Collab. Measurement of W+W- production in pp collisions at root s=7 TeV with the ATLAS detector and limits on anomalous WWZ and WW gamma couplings. *Phys. Rev. D* 87, (2013).
96. ATLAS Collab. Search for a light charged Higgs boson in the decay channel H+ -> c(s)over-bar in t(t)over-bar events using pp collisions at root s=7 TeV with the ATLAS detector. *Eur. Phys. J. C* 73, 2465 (2013).
97. ATLAS Collab. Search for third generation scalar leptoquarks in pp collisions at root s=7 TeV with the ATLAS detector. *J. High Energy Phys.*, 033 (2013).
98. ATLAS Collab. Measurement of the cross-section for W boson production in association with b-jets in pp collisions at root s=7 TeV with the ATLAS detector. *J. High Energy Phys.*, 084 (2013).
99. ATLAS Collab. Search for long-lived, multi-charged particles in pp collisions at root s=7 TeV using the ATLAS detector. *Phys. Lett. B* 722, 305-323 (2013).
100. ATLAS Collab. Measurement of k(T) splitting scales in W -> l nu events at root s=7 TeV with the ATLAS detector. *Eur. Phys. J. C* 73, 2432 (2013).

101. ATLAS Collab. Observation of Associated Near-Side and Away-Side Long-Range Correlations in root S-NN=5.02 TeV Proton-Lead Collisions with the ATLAS Detector. *Phys. Rev. Lett.* 110, 182302 (2013).
102. ATLAS Collab. Search for single  $b^*$ . *Phys. Lett. B* 721, 171-189 (2013).
103. ATLAS Collab. Search for displaced muonic lepton jets from light Higgs boson decay in proton-proton collisions at root s=7 TeV with the ATLAS detector. *Phys. Lett. B* 721, 32-50 (2013).
104. ATLAS Collab. Search for WH production with a light Higgs boson decaying to prompt electron-jets in proton-proton collisions at root s=7 TeV with the ATLAS detector. *New J. Phys.* 15, 043009 (2013).
105. ATLAS Collab. Search for extra dimensions in diphoton events from proton-proton collisions at root s=7 TeV in the ATLAS detector at the LHC. *New J. Phys.* 15, 043007 (2013).
106. ATLAS Collab. Search for dark matter candidates and large extra dimensions in events with a jet and missing transverse momentum with the ATLAS detector. *J. High Energy Phys.*, (2013).
107. ATLAS Collab. Searches for heavy long-lived sleptons and R-hadrons with the ATLAS detector in pp collisions at root s=7 TeV. *Phys. Lett. B* 720, 277-308 (2013).
108. ATLAS Collab. Measurement of hard double-parton interactions in  $W(-\rightarrow l\nu)$  plus 2-jet events at root s=7 TeV with the ATLAS detector. *New J. Phys.* 15, 033038 (2013).
109. ATLAS Collab. Search for light top squark pair production in final states with leptons and b-jets with the ATLAS detector in root s=7 TeV proton-proton collisions. *Phys. Lett. B* 720, 13-31 (2013).
110. ATLAS Collab. Measurement of angular correlations in Drell-Yan lepton pairs to probe  $Z/\gamma^*$ . *Phys. Lett. B* 720, 32-51 (2013).
111. ATLAS Collab. Search for new phenomena in events with three charged leptons at root s=7 TeV with the ATLAS detector. *Phys. Rev. D* 87, 052002 (2013).
112. ATLAS Collab. Measurement of upsilon production in 7 TeV pp collisions at ATLAS. *Phys. Rev. D* 87, 052004 (2013).
113. ATLAS Collab. Multi-channel search for squarks and gluinos in root s=7 TeV pp collisions with the ATLAS detector at the LHC. *Eur. Phys. J. C* 73, 2362 (2013).
114. ATLAS Collab. Single hadron response measurement and calorimeter jet energy scale uncertainty with the ATLAS detector at the LHC. *Eur. Phys. J. C* 73, 2305 (2013).
115. ATLAS Collab. Measurement of the  $t(\bar{t})$  production cross section in the tau plus jets channel using the ATLAS detector. *Eur. Phys. J. C* 73, 2328 (2013).
116. ATLAS Collab. Jet energy measurement with the ATLAS detector in proton-proton collisions at root s=7 TeV. *Eur. Phys. J. C* 73, 2304 (2013).



117. ATLAS Collab. Jet energy resolution in proton-proton collisions at root s 7 TeV recorded in 2010 with the ATLAS detector. *Eur. Phys. J. C* 73, 2306 (2013).
118. ATLAS Collab. Search for charged Higgs bosons through the violation of lepton universality in  $t\bar{t}$  events using pp collision data at root s=7 TeV with the ATLAS experiment. *J. High Energy Phys.*, 076 (2013).
119. ATLAS Collab. Measurement of ZZ production in pp collisions at root s=7 TeV and limits on anomalous ZZZ and ZZ gamma couplings with the ATLAS detector. *J. High Energy Phys.*, 128 (2013).
120. ATLAS Collab. Measurement of the jet radius and transverse momentum dependence of inclusive jet suppression in lead-lead collisions at root S-NN=2.76 TeV with the ATLAS detector. *Phys. Lett. B* 719, 220-241 (2013).
121. ATLAS Collab. A search for high-mass resonances decaying to  $\tau^{+}\tau^{-}$  in pp collisions at root s=7 TeV with the ATLAS detector. *Phys. Lett. B* 719, 242-260 (2013).
122. ATLAS Collab. Search for supersymmetry in events with photons, bottom quarks, and missing transverse momentum in proton-proton collisions at a centre-of-mass energy of 7 TeV with the ATLAS detector. *Phys. Lett. B* 719, 261-279 (2013).