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1. Accardi, A.; Albacete, J. L.; Anselmino, M.; Armesto, N.; Aschenauer, E. C.; Bacchetta, A.; Boer, D.; Brooks, W. K.; Burton, T.; Chang, N. -B.; Deng, W. -T.; Deshpande, A.; Diehl, M.; Dumitru, A.; Dupre, R.; Ent, R.; Fazio, S.; Gao, H.; Guzey, V.; Hakobyan, H.; Hao, Y.; Hasch, D.; Holt, R.; Horn, T.; Huang, M.; Hutton, A.; Hyde, C.; Jalilian-Marian, J.; Klein, S.; Kopeliovich, B.; Kovchegov, Y.; Kumar, K.; Kumerički, K.; Lamont, M. A. C.; Lappi, T.; Lee, J. -H.; Lee, Y.; Levin, E. M.; Lin, F. -L.; Litvinenko, V.; Ludlam, T. W.; Marquet, C.; Meziani, Z. -E.; McKeown, R.; Metz, A.; Milner, R.; Morozov, V. S.; Mueller, A. H.; Muller, B.; Mueller, D.; Nadel-Turonski, P.; Paukkunen, H.; Prokudin, A.; Ptitsyn, V.; Qian, X.; Qiu, J. -W.; Ramsey-Musolf, M.; Roser, T.; Sabatie, F.; Sassot, R.; Schnell, G.; Schweitzer, P.; Sichtermann, E.; Stratmann, M.; Strikman, M.; Sullivan, M.; Taneja, S.; Toll, T.; Trbojevic, D.; Ullrich, T.; Venugopalan, R.; Vigdor, S.; Vogelsang, W.; Weiß, C.; Xiao, B. -W.; Yuan, F.; Zhang, Y. -H.; Zheng, L.
Electron-ion collider: The next QCD frontier
EUROPEAN PHYSICAL JOURNAL A. **52** (9), 268 (2016)
DOI: <http://dx.doi.org/10.1140/epja/i2016-16268-9>
IF (2016): 2.833

2. Adam, J.; ...; Antičić, T.; ...; Erhardt, F.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Utrobičić, A.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration)
Anisotropic flow of charged particles in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
PHYSICAL REVIEW LETTERS. **116** (13), 132302 (2016)
DOI: <http://dx.doi.org/10.1103/PhysRevLett.116.132302>
IF (2016): 8.462

3. Adam, J.; ...; Antičić, T.; ...; Erhardt, F.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Utrobičić, A.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration)
Centrality dependence of charged jet production in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
EUROPEAN PHYSICAL JOURNAL C. **76** (5), 271 (2016)
DOI: <http://dx.doi.org/10.1140/epjc/s10052-016-4107-8>
IF (2016): 5.331

4. Adam, J.; ...; Antičić, T.; ...; Erhardt, F.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Utrobičić, A.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration)
Particle identification in ALICE: a Bayesian approach
EUROPEAN PHYSICAL JOURNAL PLUS. **131** (5), 168 (2016)
DOI: <http://dx.doi.org/10.1140/epjp/i2016-16168-5>
IF (2016): 1.753

5. Adam, J.; ...; Antičić, T.; ...; Erhardt, F.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Utrobičić, A.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration)
Centrality dependence of $\psi(2S)$ suppression in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
JOURNAL OF HIGH ENERGY PHYSICS. **2016** (6), 50 (2016)
DOI: [http://dx.doi.org/10.1007/JHEP06\(2016\)050](http://dx.doi.org/10.1007/JHEP06(2016)050)
IF (2016): 6.063

6. Adam, J.; ...; Antičić, T.; ...; Erhardt, F.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Utrobičić, A.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration)
Elliptic flow of electrons from heavy-flavour hadron decays at mid-rapidity in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV
JOURNAL OF HIGH ENERGY PHYSICS. **2016** (9), 28 (2016)
DOI: [http://dx.doi.org/10.1007/JHEP09\(2016\)028](http://dx.doi.org/10.1007/JHEP09(2016)028)
IF (2016): 6.063
7. Adam, J.; ...; Antičić, T.; ...; Erhardt, F.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Utrobičić, A.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration)
Pseudorapidity dependence of the anisotropic flow of charged particles in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV
PHYSICS LETTERS B. **762**, 376-388 (2016)
DOI: <http://dx.doi.org/10.1016/j.physletb.2016.07.017>
IF (2016): 4.807
8. Adam, J.; ...; Antičić, T.; ...; Erhardt, F.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Utrobičić, A.; ...; Vicković, L.; ...; Zmeskal, J. (ALICE Collaboration)
Jet-like correlations with neutral pion triggers in pp and central Pb-Pb collisions at 2.76 TeV
PHYSICS LETTERS B. **763**, 238-250 (2016)
DOI: <http://dx.doi.org/10.1016/j.physletb.2016.10.048>
IF (2016): 4.807
9. Adam, J.; ...; Antičić, T.; ...; Erhardt, F.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Utrobičić, A.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration)
Measurement of transverse energy at midrapidity in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV
PHYSICAL REVIEW C. **94** (3), 34903 (2016)
DOI: <http://dx.doi.org/10.1103/PhysRevC.94.034903>
IF (2016): 3.820
10. Adam, J.; ...; Antičić, T.; ...; Erhardt, F.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Utrobičić, A.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration)
Higher harmonic flow coefficients of identified hadrons in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV
JOURNAL OF HIGH ENERGY PHYSICS. **2016** (9), 164 (2016)
DOI: [http://dx.doi.org/10.1007/JHEP09\(2016\)164](http://dx.doi.org/10.1007/JHEP09(2016)164)
IF (2016): 6.063
11. Adam, J.; ...; Antičić, T.; ...; Erhardt, F.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Utrobičić, A.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration)
Correlated event-by-event fluctuations of flow harmonics in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV
PHYSICAL REVIEW LETTERS. **117** (18), 182301 (2016)
DOI: <http://dx.doi.org/10.1103/PhysRevLett.117.182301>
IF (2016): 8.462

12. Adam, J.; ...; Antičić, T.; ...; Erhardt, F.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Utrobičić, A.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration)
D-meson production in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV and in pp collisions at $\sqrt{s}=7$ TeV
PHYSICAL REVIEW C. **94** (5) 54908 (2016)
DOI: <http://dx.doi.org/10.1103/PhysRevC.94.054908>
IF (2016): 3.820
13. Adam, J.; ...; Antičić, T.; ...; Erhardt, F.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Utrobičić, A.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration)
Centrality dependence of the charged-particle multiplicity density at midrapidity in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
PHYSICAL REVIEW LETTERS. **116** (22) 222302 (2016)
DOI: <http://dx.doi.org/10.1103/PhysRevLett.116.222302>
IF (2016): 8.462
14. Adam, J.; ...; Antičić, T.; ...; Erhardt, F.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Utrobičić, A.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration)
Multiplicity dependence of charged pion, kaon, and (anti)proton production at large transverse momentum in p-Pb collisions $\sqrt{s_{NN}}=5.02$ TeV
PHYSICS LETTERS B. **760**, 720-735 (2016)
DOI: <http://dx.doi.org/10.1016/j.physletb.2016.07.050>
IF (2016): 4.807
15. Adam, J.; ...; Antičić, T.; ...; Erhardt, F.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Utrobičić, A.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration)
Production of $K^*(892)^0$ and $\phi(1020)$ in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
EUROPEAN PHYSICAL JOURNAL C. **76** (5), 245 (2016)
DOI: <http://dx.doi.org/10.1140/epjc/s10052-016-4088-7>
IF (2016): 5.331
16. Adam, J.; ...; Antičić, T.; ...; Erhardt, F.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Utrobičić, A.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration)
Multipion Bose-Einstein correlations in pp, p-Pb, and Pb-Pb collisions at energies available at the CERN Large Hadron Collider
PHYSICAL REVIEW C. **93** (5), 54908 (2016)
DOI: <http://dx.doi.org/10.1103/PhysRevC.93.054908>
IF (2016): 3.820
17. Adam, J.; ...; Antičić, T.; ...; Erhardt, F.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Utrobičić, A.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration)
Multi-strange baryon production in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
PHYSICS LETTERS B. **758**, 389-401 (2016)
DOI: <http://dx.doi.org/10.1016/j.physletb.2016.05.027>
IF (2016): 4.807

18. Adam, J.; ...; Antičić, T.; ...; Erhardt, F.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Utrobičić, A.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration)
Search for weakly decaying Λn and $\Lambda\Lambda$ exotic bound states in central Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV
PHYSICS LETTERS B. **752**, 267-277 (2016)
DOI: <http://dx.doi.org/10.1016/j.physletb.2015.11.048>
IF (2016): 4.807
19. Adam, J.; ...; Antičić, T.; ...; Erhardt, F.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Utrobičić, A.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration)
Production of light nuclei and anti-nuclei in pp and Pb-Pb collisions at energies available at the CERN Large Hadron Collider
PHYSICAL REVIEW C. **93** (2), 24917 (2016)
DOI: <http://dx.doi.org/10.1103/PhysRevC.93.024917>
IF (2016): 3.820
20. Adam, J.; ...; Antičić, T.; ...; Erhardt, F.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Utrobičić, A.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration)
Centrality dependence of the nuclear modification factor of charged pions, kaons, and protons in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV
PHYSICAL REVIEW C. **93** (3), 34913 (2016)
DOI: <http://dx.doi.org/10.1103/PhysRevC.93.034913>
IF (2016): 3.820
21. Adam, J.; ...; Antičić, T.; ...; Erhardt, F.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Utrobičić, A.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration)
Centrality dependence of pion freeze-out radii in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV
PHYSICAL REVIEW C. **93** (2), 24905 (2016)
DOI: <http://dx.doi.org/10.1103/PhysRevC.93.024905>
IF (2016): 3.820
22. Adam, J.; ...; Antičić, T.; ...; Erhardt, F.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Utrobičić, A.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration)
Forward-central two-particle correlations in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
PHYSICS LETTERS B. **753**, 126-139 (2016)
DOI: <http://dx.doi.org/10.1016/j.physletb.2015.12.010>
IF (2016): 4.807
23. Adam, J.; ...; Antičić, T.; ...; Erhardt, F.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Utrobičić, A.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration)
 $3\Lambda H$ and $3\Lambda^+ H^-$ production in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV
PHYSICS LETTERS B. **754**, 360-372 (2016)
DOI: <http://dx.doi.org/10.1016/j.physletb.2016.01.040>
IF (2016): 4.807

24. Adam, J.; ...; Antičić, T.; ...; Erhardt, F.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Utrobičić, A.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration)
Event-shape engineering for inclusive spectra and elliptic flow in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV
PHYSICAL REVIEW C. **93** (3), 34916 (2016)
DOI: <http://dx.doi.org/10.1103/PhysRevC.93.034916>
IF (2016): 3.820
25. Adam, J.; ...; Antičić, T.; ...; Erhardt, F.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Utrobičić, A.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration)
Differential studies of inclusive J/ψ and ψ(2S) production at forward rapidity in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV
JOURNAL OF HIGH ENERGY PHYSICS. **2016** (5), 179 (2016)
DOI: [http://dx.doi.org/10.1007/JHEP05\(2016\)179](http://dx.doi.org/10.1007/JHEP05(2016)179)
IF (2016): 6.063
26. Adam, J.; ...; Antičić, T.; ...; Erhardt, F.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Utrobičić, A.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration)
Elliptic flow of muons from heavy-flavour hadron decays at forward rapidity in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV
PHYSICS LETTERS B. **753**, 41-56 (2016)
DOI: <http://dx.doi.org/10.1016/j.physletb.2015.11.059>
IF (2016): 4.807
27. Adam, J.; ...; Antičić, T.; ...; Erhardt, F.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Utrobičić, A.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration)
Pseudorapidity and transverse-momentum distributions of charged particles in proton-proton collisions at $\sqrt{s}=13$ TeV
PHYSICS LETTERS B. **753**, 319-329 (2016)
DOI: <http://dx.doi.org/10.1016/j.physletb.2015.12.030>
IF (2016): 4.807
28. Adam, J.; ...; Antičić, T.; ...; Erhardt, F.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Utrobičić, A.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration)
Multiplicity and transverse momentum evolution of charge-dependent correlations in pp, p-Pb, and Pb-Pb collisions at the LHC
EUROPEAN PHYSICAL JOURNAL C. **76** (2), 86 (2016)
DOI: <http://dx.doi.org/10.1140/epjc/s10052-016-3915-1>
IF (2016): 5.331
29. Adam, J.; ...; Antičić, T.; ...; Erhardt, F.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Utrobičić, A.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration)
Measurement of D_s^+ production and nuclear modification factor in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV
JOURNAL OF HIGH ENERGY PHYSICS. **2016** (3), 82 (2016)
DOI: [http://dx.doi.org/10.1007/JHEP03\(2016\)082](http://dx.doi.org/10.1007/JHEP03(2016)082)
IF (2016): 6.063

30. Adam, J.; ...; Antičić, T.; ...; Erhardt, F.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Utrobičić, A.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration)
Transverse momentum dependence of D-meson production in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV
JOURNAL OF HIGH ENERGY PHYSICS. **2016** (3), 81 (2016)
DOI: [http://dx.doi.org/10.1007/JHEP03\(2016\)081](http://dx.doi.org/10.1007/JHEP03(2016)081)
IF (2016): 6.063
31. Adam, J.; ...; Antičić, T.; ...; Erhardt, F.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Utrobičić, A.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration)
Inclusive quarkonium production at forward rapidity in pp collisions at $\sqrt{s}=8$ TeV
EUROPEAN PHYSICAL JOURNAL C. **76** (4), 184 (2016)
DOI: <http://dx.doi.org/10.1140/epjc/s10052-016-3987-y>
IF (2016): 5.331
32. Adam, J.; ...; Antičić, T.; ...; Erhardt, F.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Utrobičić, A.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration)
Measurement of D-meson production versus multiplicity in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
JOURNAL OF HIGH ENERGY PHYSICS. **2016** (8), 78 (2016)
DOI: [http://dx.doi.org/10.1007/JHEP08\(2016\)078](http://dx.doi.org/10.1007/JHEP08(2016)078)
IF (2016): 6.063
33. Adam, J.; ...; Antičić, T.; ...; Erhardt, F.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Utrobičić, A.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration)
Measurement of electrons from heavy-flavour hadron decays in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
PHYSICS LETTERS B. **754**, 81-93 (2016)
DOI: <http://dx.doi.org/10.1016/j.physletb.2015.12.067>
IF (2016): 4.807
34. Adam, J.; ...; Antičić, T.; ...; Erhardt, F.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Utrobičić, A.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration)
Study of cosmic ray events with high muon multiplicity using the ALICE detector at the CERN Large Hadron Collider
JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. **2016** (1), 32 (2016)
DOI: <http://dx.doi.org/10.1088/1475-7516/2016/01/032>
IF (2016): 4.734
35. Adam, J.; ...; Antičić, T.; ...; Erhardt, F.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Utrobičić, A.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration)
Direct photon production in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV
PHYSICS LETTERS B. **754**, 235-248 (2016)
DOI: <http://dx.doi.org/10.1016/j.physletb.2016.01.020>
IF (2016): 4.807

36. Adam, J.; ...; Antičić, T.; ...; Erhardt, F.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Utrobičić, A.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration)
Centrality evolution of the charged-particle pseudorapidity density over a broad pseudorapidity range in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV
PHYSICS LETTERS B. **754**, 373-385 (2016)
DOI: <http://dx.doi.org/10.1016/j.physletb.2015.12.082>
IF (2016): 4.807
37. Adam, J.; ...; Antičić, T.; ...; Erhardt, F.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Utrobičić, A.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration)
Charge-dependent flow and the search for the chiral magnetic wave in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV
PHYSICAL REVIEW C. **93** (4), 44903 (2016)
DOI: <http://dx.doi.org/10.1103/PhysRevC.93.044903>
IF (2016): 3.820
38. Adam, J.; ...; Antičić, T.; ...; Erhardt, F.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Utrobičić, A.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration)
Measurement of an excess in the yield of J/ψ at very Low p_T in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV
PHYSICAL REVIEW LETTERS. **116** (22), 222301 (2016)
DOI: <http://dx.doi.org/10.1103/PhysRevLett.116.222301>
IF (2016): 8.462
39. Adam, J.; ...; Antičić, T.; ...; Erhardt, F.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Utrobičić, A.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration)
Azimuthal anisotropy of charged jet production in $\sqrt{s_{NN}}=2.76$ TeV Pb-Pb collisions
PHYSICS LETTERS B. **753**, 511-525 (2016)
DOI: <http://dx.doi.org/10.1016/j.physletb.2015.12.047>
IF (2016): 4.807
40. Adamczyk, L.; Zyzak, M. (STAR Collaboration)
Beam-energy dependence of charge balance functions from Au + Au collisions at energies available at the BNL Relativistic Heavy Ion Collider
PHYSICAL REVIEW C. **94** (2), 24909 (2016)
DOI: <http://dx.doi.org/10.1103/PhysRevC.94.024909>
IF (2016): 3.820
41. Adamczyk, L.; ...; Planinić, M.; ...; Poljak, N.; ...; Zyzak, M. (STAR Collaboration)
Centrality dependence of identified particle elliptic flow in relativistic heavy ion collisions at $\sqrt{s_{NN}}=7.7-62.4$ GeV
PHYSICAL REVIEW C. **93** (1), 14907 (2016)
DOI: <http://dx.doi.org/10.1103/PhysRevC.93.014907>
IF (2016): 3.820

42. Adamczyk, L.; ...; Planinić, M.; ...; Poljak, N.; ...; Zyzak, M. (STAR Collaboration)
Centrality and transverse momentum dependence of elliptic flow of multistrange hadrons and ϕ meson in Au + Au collisions at $\sqrt{s_{NN}}=200$ GeV
PHYSICAL REVIEW LETTERS. **116** (6), 62301 (2016)
DOI: <http://dx.doi.org/10.1103/PhysRevLett.116.062301>
IF (2016): 8.462

43. Adare, A.; ...; Makek, M.; ...; Zou, L. (PHENIX Collaboration)
Transverse energy production and charged-particle multiplicity at midrapidity in various systems from $\sqrt{s_{NN}}=7.7$ to 200 GeV
PHYSICAL REVIEW C. **93** (2), 24901 (2016)
DOI: <http://dx.doi.org/10.1103/PhysRevC.93.024901>
IF (2016): 3.820

44. Adare, A.; ...; Makek, M.; ...; Zou, L. (PHENIX Collaboration)
Scaling properties of fractional momentum loss of high- p_T hadrons in nucleus-nucleus collisions at $\sqrt{s_{NN}}$ from 62.4 GeV to 2.76 TeV
PHYSICAL REVIEW C. **93** (2), 24911 (2016)
DOI: <http://dx.doi.org/10.1103/PhysRevC.93.024911>
IF (2016): 3.820

45. Adare, A.; ...; Makek, M.; ...; Zou, L. (PHENIX Collaboration)
Azimuthally anisotropic emission of low-momentum direct photons in Au + Au collisions at $\sqrt{s_{NN}}=200$ GeV
PHYSICAL REVIEW C. **94** (6), 64901 (2016)
DOI: <http://dx.doi.org/10.1103/PhysRevC.94.064901>
IF (2016): 3.820

46. Adare, A.; ...; Makek, M.; ...; Zolin, L. (PHENIX Collaboration)
Measurement of higher cumulants of net-charge multiplicity distributions in Au + Au collisions at $\sqrt{s_{NN}}=7.7$ -200 GeV
PHYSICAL REVIEW C. **93** (1), 11901 (2016)
DOI: <http://dx.doi.org/10.1103/PhysRevC.93.011901>
IF (2016): 3.820

47. Adare, A.; ...; Makek, M.; ...; Zou, L. (PHENIX Collaboration)
 ϕ meson production in the forward/backward rapidity region in Cu + Au collisions at $\sqrt{s_{NN}}=200$ GeV
PHYSICAL REVIEW C. **93** (2), 24904 (2016)
DOI: <http://dx.doi.org/10.1103/PhysRevC.93.024904>
IF (2016): 3.820

48. Adare, A.; ...; Makek, M.; ...; Zou, L. (PHENIX Collaboration)
Dielectron production in Au + Au collisions at $\sqrt{s_{NN}}=200$ GeV
PHYSICAL REVIEW C. **93** (1), 14904 (2016)
DOI: <http://dx.doi.org/10.1103/PhysRevC.93.014904>
IF (2016): 3.820

49. Adare, A.; ...; Makek, M.; ...; Zou, L. (PHENIX Collaboration)
Measurement of parity-violating spin asymmetries in W^\pm production at midrapidity in longitudinally polarized p + p collisions
PHYSICAL REVIEW D. **93** (5), 51103 (2016)
DOI: <http://dx.doi.org/10.1103/PhysRevD.93.051103>
IF (2016): 4.568

50. Adare, A.; ...; Makek, M.; ...; Zou, L. (PHENIX Collaboration)
Single electron yields from semileptonic charm and bottom hadron decays in Au + Au collisions at $\sqrt{s_{NN}}=200$ GeV
PHYSICAL REVIEW C. **93** (3), 34904 (2016)
DOI: <http://dx.doi.org/10.1103/PhysRevC.93.034904>
IF (2016): 3.820

51. Adare, A.; ...; Makek, M.; ...; Zou, L. (PHENIX Collaboration)
Inclusive cross section and double-helicity asymmetry for π^0 production at midrapidity in p + p collisions at $\sqrt{s}=510$ GeV
PHYSICAL REVIEW D. **93** (1), 11501 (2016)
DOI: <http://dx.doi.org/10.1103/PhysRevD.93.011501>
IF (2016): 4.568

52. Adare, A.; ...; Makek, M.; ...; Zou, L. (PHENIX Collaboration)
Forward J/ψ production in U + U collisions at $\sqrt{s_{NN}}=193$ GeV
PHYSICAL REVIEW C. **93** (3), 34903 (2016)
DOI: <http://dx.doi.org/10.1103/PhysRevC.93.034903>
IF (2016): 3.820

53. Adare, A.; ...; Makek, M.; ...; Zou, L. (PHENIX Collaboration)
Measurements of directed, elliptic, and triangular flow in Cu + Au collisions at $\sqrt{s_{NN}}=200$ GeV
PHYSICAL REVIEW C. **94** (5), 54910 (2016)
DOI: <http://dx.doi.org/10.1103/PhysRevC.94.054910>
IF (2016): 3.820

54. Adare, A.; ...; Makek, M.; ...; Zou, L. (PHENIX Collaboration)
Measurements of double-helicity asymmetries in inclusive J/ψ production in longitudinally polarized p + p collisions at $\sqrt{s}=510$ GeV
PHYSICAL REVIEW D. **94** (11), 112008 (2016)
DOI: <http://dx.doi.org/10.1103/PhysRevD.94.112008>
IF (2016): 4.568

55. Adare, A.; ...; Makek, M.; ...; Zou, L. (PHENIX Collaboration)
Centrality-dependent modification of jet-production rates in deuteron-gold collisions at $\sqrt{s_{NN}}=200$ GeV
PHYSICAL REVIEW LETTERS. **116** (12), 122301 (2016)
DOI: <http://dx.doi.org/10.1103/PhysRevLett.116.122301>
IF (2016): 8.462

56. Ahriche, Amine; McDonald, Kristian L.; Nasri, Salah; Picek, Ivica
A critical analysis of one-loop neutrino mass models with minimal dark matter
PHYSICS LETTERS B. **757**, 399-404 (2016)
DOI: <http://dx.doi.org/10.1016/j.physletb.2016.04.022>
IF (2016): 4.807
57. Alvarez-Castillo, D.; Ayriyan, A.; Benić, S.; Blaschke, D.; Grigorian, H.; Typel, S.
New class of hybrid EoS and Bayesian M-R data analysis
EUROPEAN PHYSICAL JOURNAL A. **52** (3), 69 (2016)
DOI: <http://dx.doi.org/10.1140/epja/i2016-16069-2>
IF (2016): 2.833
58. Alvarez-Castillo, D.; Benić, S.; Blaschke, D.; Han, Sophia; Typel, S.
Neutron star mass limit at $2 M_{\odot}$ supports the existence of a CEP
EUROPEAN PHYSICAL JOURNAL A. **52** (8), 232 (2016)
DOI: <http://dx.doi.org/10.1140/epja/i2016-16232-9>
IF (2016): 2.833
59. Babić, E.; Novosel, N.; Pajić, D.; Galić, S.; Zadro, K.; Drobac, Đ.
Magnetic nanoparticles in MgB_2 : Vortex pinning, pair breaking and connectivity
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. **400**, 88-92 (2016)
DOI: <http://dx.doi.org/10.1016/j.jmmm.2015.08.048>
IF (2016): 2.630
60. Babić-Stojić, B.; Jokanović, V.; Milivojević, D.; Požek, M.; Jagličić, Z.; Makovec, D.; Arsikin, .; Paunović, V.
 Gd_2O_3 nanoparticles stabilized by hydrothermally modified dextrose for positive contrast magnetic resonance imaging
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. **403**, 118-126 (2016)
DOI: <http://dx.doi.org/10.1016/j.jmmm.2015.11.075>
IF (2016): 2.630
61. Babkevich, P.; Katukuri, V. M.; Fåk, B.; Rols, S.; Fennell, T.; Pajić, D.; Tanaka, H.; Pardini, T.; Singh, R. R. P.; Mitrushchenkov, A.; Yazyev, O. V.; Rønnow, H. M.
Magnetic excitations and electronic interactions in Sr_2CuTeO_6 : A spin-1/2 square lattice Heisenberg antiferromagnet
PHYSICAL REVIEW LETTERS. **117** (23), 237203 (2016)
DOI: <http://dx.doi.org/10.1103/PhysRevLett.117.237203>
IF (2016): 8.462
62. Baran, N.; Smolčić, V.; Milaković, D.; Novak, M.; Delhaize, J.; Gastaldello, F.; Ramos-Ceja, M. E.; Pacaud, F.; Bourke, S.; Carilli, C. L.; Etori, S.; Hallinan, G.; Horellou, C.; Koulouridis, E.; Chiappetti, L.; Miettinen, O.; Melnyk, O.; Mooley, K.; Pierre, M.; Pompei, E.; Schinnerer, E.
The XXL Survey IX. Optical overdensity and radio continuum analysis of a supercluster at $z=0.43$
ASTRONOMY & ASTROPHYSICS. **592**, A8 (2016)
DOI: <http://dx.doi.org/10.1051/0004-6361/201526952>
IF (2016): 5.014

63. Barbagallo, M.; Musumarra, A.; Cosentino, L.; Maugeri, E.; Heinitz, S.; Mengoni, A.; Dressler, R.; Schumann, D.; Kaepfeler, F.; Colonna, N.; Finocchiaro, P.; Ayrarov, M.; Damone, L.; Kivel, N.; Aberle, O.; Altstadt, S.; Andrzejewski, J.; Audouin, L.; Bacak, M.; Balibrea-Correa, J.; Barros, S.; Bécáres, V.; Bečvář, F.; Beinrucker, C.; Berthoumieux, E.; Billowes, J.; Bosnar, D.; Brugger, M.; Caamaño, M.; Calviani, M.; Calviño, F.; Cano-Ott, D.; Cardella, R.; Casanovas, A.; Castelluccio, D. M.; Cerutti, F.; Chen, Y. H.; Chiaveri, E.; Cortés, G.; Cortés-Giraldo, M. A.; Cristallo, S.; Diakaki, M.; Domingo-Pardo, C.; Dupont, E.; Duran, I.; Fernandez-Dominguez, B.; Ferrari, A.; Ferreira, P.; Furman, W.; Ganesan, S.; Garcia-Rios, A.; Gawlik, A.; Glodariu, T.; Goebel, K.; Goncalves, I. F.; González-Romero, E.; Griesmayer, E.; Guerrero, C.; Günsing, F.; Harada, H.; Heftrich, T.; Heyse, J.; Jenkins, D. G.; Jericha, E.; Katabuchi, T.; Kavragin, P.; Kimura, A.; Kokkoris, M.; Krtička, M.; Leal-Cidoncha, E.; Leredegui, J.; Lederer, C.; Leeb, H.; Lo Meo, S.; Lonsdale, S. J.; Losito, R.; Macina, D.; Marganec, J.; Martínez, T.; Massimi, C.; Mastinu, P.; Mastromarco, M.; Mazzone, A.; Mendoza, E.; Milazzo, P. M.; Mingrone, F.; Mirea, M.; Montesano, S.; Nolte, R.; Oprea, A.; Pappalardo, A.; Patronis, N.; Pavlik, A.; Perkowski, J.; Piscopo, M.; Plompen, A.; Porras, I.; Praena, J.; Quesada, J.; Rajeev, K.; Rauscher, T.; Reifarh, R.; Riego-Perez, A.; Rout, P.; Rubbia, C.; Ryan, J.; Sabaté-Gilarte, M.; Saxena, A.; Schillebeeckx, P.; Schmidt, S.; Sedyshev, P.; Smith, A. G.; Stamatopoulos, A.; Tagliente, G.; Tain, J. L.; Tarifeno-Saldivia, A.; Tassan-Got, L.; Tsinganis, A.; Valenta, S.; Vannini, G.; Variale, V.; Vaz, P.; Ventura, A.; Vlachoudis, V.; Vlastou, R.; Vollaie, J.; Wallner, A.; Warren, S.; Weigand, M.; Weiß, C.; Wolf, C.; Woods, P. J.; Wright, T.; Žugec, P. (n_TOF Collaboration)
 ${}^7\text{Be}(n, \alpha){}^4\text{He}$ Reaction and the cosmological lithium problem: Measurement of the cross section in a wide energy range at n_TOF at CERN
 PHYSICAL REVIEW LETTERS. **117** (15), 152701 (2016)
 DOI: <http://dx.doi.org/10.1103/PhysRevLett.117.152701>
 IF (2016): 8.462
64. Bazzi, M.; Beer, G.; Bellotti, G.; Berucci, C.; Bragadireanu, A. M.; Bosnar, D.; Cargnelli, M.; Curceanu, C.; Butt, A. D.; d'Uffizi, A.; Fiorini, C.; Ghio, F.; Guaraldo, C.; Hayano, R. S.; Iliescu, M.; Ishiwatari, T.; Iwasaki, M.; Sandri, P. Levi; Marton, J.; Okada, S.; Pietreanu, D.; Piscicchia, K.; Romero Vidal, A.; Sbardella, E.; Scordo, A.; Shi, H.; Sirghi, D. L.; Sirghi, F.; Tatsuno, H.; Doce, O. Vazquez; Widmann, E.; Zmeskal, J.
 K-series X-ray yield measurement of kaonic hydrogen atoms in a gaseous target
 NUCLEAR PHYSICS A. **954**, 7-16 (2016)
 DOI: <http://dx.doi.org/10.1016/j.nuclphysa.2016.03.047>
 IF (2016): 1.916
65. Benić, S.; Yamamoto, A.
 Quantum Monte Carlo simulation with a black hole
 PHYSICAL REVIEW D. **93** (9), 94505 (2016)
 DOI: <http://dx.doi.org/10.1103/PhysRevD.93.094505>
 IF (2016): 4.568
66. Bilalbegović, G.
 A note on cement in asteroids
 ICARUS. **275**, 249-251 (2016)
 DOI: <http://dx.doi.org/10.1016/j.icarus.2016.04.029>
 IF (2016): 3.131

67. Bonora, L.; Cvitan, M.; Prester, P. Dominis; de Souza, B. Lima; Smolić, I.
Massive fermion model in 3d and higher spin currents
JOURNAL OF HIGH ENERGY PHYSICS. **2016** (5), 72 (2016)
DOI: [http://dx.doi.org/10.1007/JHEP05\(2016\)072](http://dx.doi.org/10.1007/JHEP05(2016)072)
IF (2016): 6.063
68. Bonora, L.; Cvitan, M.; Prester, P. Dominis; Giaccari, S.; de Souza, B. Lima; Štemberga, T.
One-loop effective actions and higher spins
JOURNAL OF HIGH ENERGY PHYSICS. **2016** (12), 84 (2016)
DOI: [http://dx.doi.org/10.1007/JHEP12\(2016\)084](http://dx.doi.org/10.1007/JHEP12(2016)084)
IF (2016): 6.063
69. Branković, Z.; Luković Golić, D.; Radojković, A.; Ćirković, J.; Pajić, D.; Marinković Stanojević, Z.; Xing, J.; Radović, M.; Li, G.; Branković, G.
Spark plasma sintering of hydrothermally synthesized bismuth ferrite
PROCESSING AND APPLICATION OF CERAMICS. **10** (4), 257-264 (2016)
DOI: [10.2298/PAC1604257B](https://doi.org/10.2298/PAC1604257B)
IF (2016): 1.070
70. Brusa, M.; Perna, M.; Cresci, G.; Schramm, M.; Delvecchio, I.; Lanzuisi, G.; Mainieri, V.; Mignoli, M.; Zamorani, G.; Berta, S.; Bongiorno, A.; Comastri, A.; Fiore, F.; Kakkad, D.; Marconi, A.; Rosario, D.; Contini, T.; Lamareille, F.
A fast ionised wind in a star-forming quasar system at $z \sim 1.5$ resolved through adaptive optics assisted near-infrared data
ASTRONOMY & ASTROPHYSICS. **588**, A58 (2016)
DOI: <http://dx.doi.org/10.1051/0004-6361/201527900>
IF (2016): 5.014
71. Caballero-Folch, R.; Domingo-Pardo, C.; Agramunt, J.; Algora, A.; Ameil, F.; Arcones, A.; Ayyad, Y.; Benlliure, J.; Borzov, I. N.; Bowry, M.; Calviño, F.; Cano-Ott, D.; Cortés, G.; Davinson, T.; Dillmann, I.; Estrade, A.; Evdokimov, A.; Faestermann, T.; Farinon, F.; Galaviz, D.; García, A. R.; Geissel, H.; Gelletly, W.; Gernhaeuser, R.; Gómez-Hornillos, M. B.; Guerrero, C.; Heil, M.; Hinke, C.; Knoebel, R.; Kojouharov, I.; Kurcewicz, J.; Kurz, N.; Litvinov, Yu. A.; Maier, L.; Marganiec, J.; Marketin, T.; Marta, M.; Martínez, T.; Martínez-Pinedo, G.; Montes, F.; Mukha, I.; Napoli, D. R.; Nociforo, C.; Paradela, C.; Pietri, S.; Podolyak, Zs.; Prochazka, A.; Rice, S.; Riego, A.; Rubio, B.; Schaffner, H.; Scheidenberger, Ch.; Smith, K.; Sokol, E.; Steiger, K.; Sun, B.; Tain, J. L.; Takechi, M.; Testov, D.; Weick, H.; Wilson, E.; Winfield, J. S.; Wood, R.; Woods, P.; Yeremin, A.
First measurement of several β -delayed neutron emitting isotopes beyond $N=126$
PHYSICAL REVIEW LETTERS. **117** (1), 12501 (2016)
DOI: <http://dx.doi.org/10.1103/PhysRevLett.117.012501>
IF (2016): 8.462

72. Chen, X. C.; Zhao, J.; Xu, C.; Hua, H.; Shneidman, T. M.; Zhou, S. G.; Wu, X. G.; Li, X. Q.; Zhang, S. Q.; Li, Z. H.; Liang, W. Y.; Meng, J.; Xu, F. R.; Qi, B.; Ye, Y. L.; Jiang, D. X.; Cheng, Y. Y.; He, C.; Sun, J. J.; Han, R.; Niu, C. Y.; Li, C. G.; Li, P. J.; Wang, C. G.; Wu, H. Y.; Li, Z. H.; Zhou, H.; Hu, S. P.; Zhang, H. Q.; Li, G. S.; He, C. Y.; Zheng, Y.; Li, C. B.; Li, H. W.; Wu, Y. H.; Luo, P. W.; Zhong, J. Evolution of octupole correlations in ^{123}Ba
PHYSICAL REVIEW C. **94** (2), 21301 (2016)
DOI: <http://dx.doi.org/10.1103/PhysRevC.94.021301>
IF (2016): 3.820
73. Cindrić, M.; Pavlović, G.; Pajić, D.; Zadro, K.; Cinčić, D.; Hrenar, T.; Lekšić, E.; Pinar Prieto, A. B.; Lazić, P.; Šišak Jung, D.
Correlation between structural, physical and chemical properties of three new tetranuclear Ni^{II} clusters
NEW JOURNAL OF CHEMISTRY. **40** (8), 6604-6614 (2016)
DOI: <http://dx.doi.org/10.1039/c6nj00287k>
IF (2016): 3.269
74. Civano, F.; Marchesi, S.; Comastri, A.; Urry, M. C.; Elvis, M.; Cappelluti, N.; Puccetti, S.; Brusa, M.; Zamorani, G.; Hasinger, G.; Aldcroft, T.; Alexander, D. M.; Allevalo, V.; Brunner, H.; Capak, P.; Finoguenov, A.; Fiore, F.; Fruscione, A.; Gilli, R.; Glotfelty, K.; Griffiths, R. E.; Hao, H.; Harrison, F. A.; Jahnke, K.; Kartaltepe, J.; Karim, A.; LaMassa, S. M.; Lanzuisi, G.; Miyaji, T.; Ranalli, P.; Salvato, M.; Sargent, M.; Scoville, N. J.; Schawinski, K.; Schinnerer, E.; Silverman, J.; Smolčić, V.; Stern, D.; Toft, S.; Trakhenbrot, B.; Treister, E.; Vignali, C.
The Chandra COSMOS Legacy survey: Overview and point source catalog
ASTROPHYSICAL JOURNAL. **819** (1), 62 (2016)
DOI: <http://dx.doi.org/10.3847/0004-637X/819/1/62>
IF (2016): 5.533
75. Cojoc, G.; Florescu, A-M.; Krull, A.; Klemm, A. H.; Pavin, N.; Jülicher, F.; Tolić, I. M.
Paired arrangement of kinetochores together with microtubule pivoting and dynamics drive kinetochore capture in meiosis I
SCIENTIFIC REPORTS. **6**, 25736 (2016)
DOI: <http://dx.doi.org/10.1038/srep25736>
IF (2016): 4.259
76. Cojoc, G.; Roscioli, E.; Zhang, L.; García-Ulloa, A.; Shah, J. V.; Berns, M. W.; Pavin, N.; Cimini, D.; Tolić, I. M.; Gregan, J.
Laser microsurgery reveals conserved viscoelastic behavior of the kinetochore
JOURNAL OF CELL BIOLOGY. **212** (7), 767-776 (2016)
DOI: <http://dx.doi.org/10.1083/jcb.201506011>
IF (2016): 7.955

77. Cosentino, L.; Musumarra, A.; Barbagallo, M.; Pappalardo, A.; Colonna, N.; Damone, L.; Piscopo, M.; Finocchiaro, P.; Maugeri, E.; Heinitz, S.; Schumann, D.; Dressler, R.; Kivel, N.; Aberle, O.; Andrzejewski, J.; Audouin, L.; Ayrarov, M.; Bacak, M.; Barros, S.; Balibrea-Correa, J.; Bécares, V.; Bečvář, F.; Beinrucker, C.; Berthoumieux, E.; Billowes, J.; Bosnar, D.; Brugger, M.; Caamaño, M.; Calviani, M.; Calviño, F.; Cano-Ott, D.; Cardella, R.; Casanovas, A.; Castelluccio, D. M.; Cerutti, F.; Chen, Y. H.; Chiaveri, E.; Cortés, G.; Cortés-Giraldo, M. A.; Diakaki, M.; Domingo-Pardo, C.; Dupont, E.; Duran, I.; Fernandez-Dominguez, B.; Ferrari, A.; Ferreira, P.; Furman, W.; Ganesan, S.; Garcia-Rios, A.; Gawlik, A.; Gheorghe, I.; Glodariu, T.; Goebel, K.; Goncalves, I. F.; González-Romero, E.; Griesmayer, E.; Guerrero, C.; Günsing, F.; Harada, H.; Heftrich, T.; Heyse, J.; Jenkins, D. G.; Jericho, E.; Kaepfeler, F.; Katabuchi, T.; Kavragin, P.; Kimura, A.; Kokkoris, M.; Krčička, M.; Leal-Cidoncha, E.; Leredegui, J.; Lederer, C.; Leeb, H.; Lo Meo, S.; Lonsdale, S.; Losito, R.; Macina, D.; Marganić, J.; Martínez, T.; Massimi, C.; Mastinu, P.; Mastromarco, M.; Matteucci, F.; Mazzone, A.; Mendoza, E.; Mengoni, A.; Milazzo, P. M.; Mingrone, F.; Mirea, M.; Montesano, S.; Nolte, R.; Oprea, A.; Patronis, N.; Pavlik, A.; Perkowski, J.; Praena, J.; Quesada, J.; Rajeev, K.; Rauscher, T.; Reifarth, R.; Riego-Perez, A.; Rout, P.; Rubbia, C.; Ryan, J.; Sabaté-Gilarte, M.; Saxena, A.; Schillebeeckx, P.; Schmidt, S.; Sedyshev, P.; Smith, A. G.; Stamatopoulos, A.; Tagliente, G.; Tain, J. L.; Tarifeno-Saldivia, A.; Tassan-Got, L.; Tsinganis, A.; Valenta, S.; Vannini, G.; Variale, V.; Vaz, P.; Ventura, A.; Vlachoudis, V.; Vlastou, R.; Vollaire, J.; Wallner, A.; Warren, S.; Weigand, M.; Weiß, C.; Wolf, C.; Woods, P. J.; Wright, T.; Žugec, P. (n_TOF Collaboration)
Experimental setup and procedure for the measurement of the ${}^7\text{Be}(n, \alpha)$ reaction at n_TOF
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. **830**, 197-205 (2016)
DOI: <http://dx.doi.org/10.1016/j.nima.2016.05.089>
IF (2016): 1.362
78. Cristea, L. L.; Martinjak, I.; Urbiha, I.
Hyperfibonacci Sequences and Polytopic Numbers
JOURNAL OF INTEGER SEQUENCES. **19** (7), (2016)
<https://cs.uwaterloo.ca/journals/JIS/VOL19/Urbaha/urbaha4.pdf>
IF (2016): 3.885
79. Cvitan, M.; Dominis Prester, P.; Smolić, I.
Does three-dimensional electromagnetic field inherit the spacetime symmetries?
CLASSICAL AND QUANTUM GRAVITY. **33** (7), 77001 (2016)
DOI: <http://dx.doi.org/10.1088/0264-9381/33/7/077001>
IF (2016): 3.119
80. Dekanić, K.; Skoko, Ž.; Lončarić, S.
New algorithm for microstructural information determination from the overlapping X-ray diffraction profiles
ACTA CHIMICA SLOVENICA. **63** (4), 874-880 (2016)
DOI: <http://dx.doi.org/10.17344/acsi.2016.2837>
IF (2016): 0.983

81. Despoja, V.; Rukelj, Z.; Marušić, L.
Ab initio study of electronic excitations and the dielectric function in molybdenum disulfide monolayer
PHYSICAL REVIEW B. **94** (16), 165446 (2016)
DOI: <http://dx.doi.org/10.1103/PhysRevB.94.165446>
IF (2016): 3.836
82. Đerđ, I.; Popović, J.; Mal, S.; Weller, T.; Nuskol, M.; Jagličić, Z.; Skoko, Ž.; Pajić, D.; Suchomski, C.; Voepel, P.; Marschall, R.; Kozlevčar, B.; Smarsly, B. M.
Aqueous sol-gel route toward selected quaternary metal oxides with single and double perovskite-type structure containing tellurium
CRYSTAL GROWTH & DESIGN. **16** (5), 2535-2541 (2016)
DOI: <http://dx.doi.org/10.1021/acs.cgd.5b01558>
IF (2016): 4.055
83. Ebran, J-P.; Mutschler, A.; Khan, E.; Vretenar, D.
Spin-orbit interaction in relativistic nuclear structure models
PHYSICAL REVIEW C. **94** (2), 24304 (2016)
DOI: <http://dx.doi.org/10.1103/PhysRevC.94.024304>
IF (2016): 3.820
84. Ebran, J-P; Khan, E.; Mutschler, A.; Vretenar, D.
Spin-orbit coupling rule in bound fermion systems
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. **43** (8), 85101 (2016)
DOI: <http://dx.doi.org/10.1088/0954-3899/43/8/085101>
IF (2016): 2.899
85. Erceg, N.; Aviani, I.; Mešić, V.; Glunčić, M.; Žauhar, G.
Development of the kinetic molecular theory of gases concept inventory: Preliminary results on university students' misconceptions
PHYSICAL REVIEW PHYSICS EDUCATION RESEARCH. **12** (2), UNSP 020139 (2016)
DOI: <http://dx.doi.org/10.1103/PhysRevPhysEducRes.12.020139>
IF (2016): n/a
86. Fotopoulou, S.; Pacaud, F.; Paltani, S.; Ranalli, P.; Ramos-Ceja, M. E.; Faccioli, L.; Plionis, M.; Adami, C.; Bongiorno, A.; Brusa, M.; Chiappetti, L.; Desai, S.; Elyiv, A.; Lidman, C.; Melnyk, O.; Pierre, M.; Piconcelli, E.; Vignali, C.; Alis, S.; Ardila, F.; Arnouts, S.; Baldry, I.; Bremer, M.; Eckert, D.; Guennou, L.; Horellou, C.; Iovino, A.; Koulouridis, E.; Liske, J.; Maurogordato, S.; Menanteau, F.; Mohr, J. J.; Owers, M.; Poggianti, B.; Pompei, E.; Sadibekova, T.; Stanford, A.; Tuffs, R.; Willis, J.
The XXL Survey VI. The 1000 brightest X-ray point sources
ASTRONOMY & ASTROPHYSICS. **592**, A5 (2016)
DOI: <http://dx.doi.org/10.1051/0004-6361/201527402>
IF (2016): 5.014

87. Gogami, T.; Chen, C.; Kawama, D.; Achenbach, P.; Ahmidouch, A.; Albayrak, I.; Androić, D.; Asaturyan, A.; Asaturyan, R.; Ates, O.; Baturin, P.; Badui, R.; Boeglin, W.; Bono, J.; Brash, E.; Carter, P.; Chiba, A.; Christy, E.; Danagoulian, S.; De Leo, R.; Doi, D.; Elaasar, M.; Ent, R.; Fujii, Y.; Fujita, M.; Furić, M.; Gabrielyan, M.; Gan, L.; Garibaldi, F.; Gaskell, D.; Gasparian, A.; Han, Y.; Hashimoto, O.; Horn, T.; Hu, B.; Hungerford, Ed. V.; Jones, M.; Kanda, H.; Kaneta, M.; Kato, S.; Kawai, M.; Khanal, H.; Kohl, M.; Liyanage, A.; Luo, W.; Maeda, K.; Margaryan, A.; Markowitz, P.; Maruta, T.; Matsumura, A.; Maxwell, V.; Mkrтчyan, A.; Mkrтчyan, H.; Nagao, S.; Nakamura, S. N.; Narayan, A.; Neville, C.; Niculescu, G.; Niculescu, M. I.; Nunez, A.; Nuruzzaman; Okayasu, Y.; Petković, T.; Pochodzalla, J.; Qiu, X.; Reinhold, J.; Rodriguez, V. M.; Samanta, C.; Sawatzky, B.; Ševa, T.; Shichijo, A.; Tadevosyan, V.; Tang, L.; Taniya, N.; Tsukada, K.; Veilleux, M.; Vulcan, W.; Wesselmann, F. R.; Wood, S. A.; Yamamoto, T.; Ya, L.; Ye, Z.; Yokota, K.; Yuan, L.; Zhamkochyan, S.; Zhu, L. (HKS(JLab E05-115) Collaboration)
High resolution spectroscopic study of $^{\Lambda}{}^{10}\text{Be}$
PHYSICAL REVIEW C. **93** (3), 34314 (2016)
DOI: <http://dx.doi.org/10.1103/PhysRevC.93.034314>
IF (2016): 3.820
88. Gogami, T.; Chen, C.; Kawama, D.; Achenbach, P.; Ahmidouch, A.; Albayrak, I.; Androić, D.; Asaturyan, A.; Asaturyan, R.; Ates, O.; Baturin, P.; Badui, R.; Boeglin, W.; Bono, J.; Brash, E.; Carter, P.; Chiba, A.; Christy, E.; Danagoulian, S.; De Leo, R.; Doi, D.; Elaasar, M.; Ent, R.; Fujii, Y.; Fujita, M.; Furić, M.; Gabrielyan, M.; Gan, L.; Garibaldi, F.; Gaskell, D.; Gasparian, A.; Han, Y.; Hashimoto, O.; Horn, T.; Hu, B.; Hungerford, Ed. V.; Jones, M.; Kanda, H.; Kaneta, M.; Kato, S.; Kawai, M.; Khanal, H.; Kohl, M.; Liyanage, A.; Luo, W.; Maeda, K.; Margaryan, A.; Markowitz, P.; Maruta, T.; Matsumura, A.; Maxwell, V.; Mkrтчyan, A.; Mkrтчyan, H.; Nagao, S.; Nakamura, S. N.; Narayan, A.; Neville, C.; Niculescu, G.; Niculescu, M. I.; Nunez, A.; Nuruzzaman; Okayasu, Y.; Petković, T.; Pochodzalla, J.; Qiu, X.; Reinhold, J.; Rodriguez, V. M.; Samanta, C.; Sawatzky, B.; Ševa, T.; Shichijo, A.; Tadevosyan, V.; Tang, L.; Taniya, N.; Tsukada, K.; Veilleux, M.; Vulcan, W.; Wesselmann, F. R.; Wood, S. A.; Yamamoto, T.; Ya, L.; Ye, Z.; Yokota, K.; Yuan, L.; Zhamkochyan, S.; Zhu, L. (HKS(JLab E05-115) Collaboration)
Spectroscopy of the neutron-rich hypernucleus $^{\Lambda}{}^7\text{He}$ from electron scattering
PHYSICAL REVIEW C. **94** (2), 21302 (2016)
DOI: <http://dx.doi.org/10.1103/PhysRevC.94.021302>
IF (2016): 3.820
89. Luković Golić, D.; Radojković, A.; Ćirković, J.; Dapčević, A.; Pajić, D.; Tasić, N.; Savić, S. M.; Počuča-Nešić, M.; Marković, S.; Branković, G.; Marinković Stanojević, Z.; Branković, Z.
Structural, ferroelectric and magnetic properties of BiFeO_3 synthesized by sonochemically assisted hydrothermal and hydro-evaporation chemical methods
JOURNAL OF THE EUROPEAN CERAMIC SOCIETY. **36** (7), 1623-1631 (2016)
DOI: <http://dx.doi.org/10.1016/j.jeurceramsoc.2016.01.031>
IF (2016): 3.411

90. Graczyk, D.; Smolec, R.; Pavlovski, K.; Southworth, J.; Pietrzynski, G.; Maxted, P. F. L.; Konorski, P.; Gieren, W.; Pilecki, B.; Taormina, M.; Suchomska, K.; Karczmarek, P.; Gorski, M.; Wielgorski, P.; Anderson, R. I.
A solar twin in the eclipsing binary LL Aquarii
ASTRONOMY & ASTROPHYSICS. **594**, A92 (2016)
DOI: <http://dx.doi.org/10.1051/0004-6361/201628918>
IF (2016): 5.014
91. Gundić, M.; Tomić, A.; Wade, R. C.; Matovina, M.; Karačić, Z.; Kazazić, S.; Tomić, S.
Human DPP III-Keap1 interactions: a combined experimental and computational study
CROATICA CHEMICA ACTA. **89** (2), (2016)
DOI: <http://dx.doi.org/10.5562/cca2916>
IF (2016): 0.586
92. Günsing, F.; Aberle, O.; Andrzejewski, J.; Audouin, L.; Bécares, V.; Bacak, M.; Balibrea-Correa, J.; Barbagallo, M.; Barros, S.; Bečvář, F.; Beinrucker, C.; Belloni, F.; Berthoumieux, E.; Billowes, J.; Bosnar, D.; Brugger, M.; Caamaño, M.; Calviño, F.; Calviani, M.; Cano-Ott, D.; Cardella, R.; Casanovas, A.; Castelluccio, D. M.; Cerutti, F.; Chen, Y. H.; Chiaveri, E.; Colonna, N.; Cortés-Giraldo, M. A.; Cortés, G.; Cosentino, L.; Damone, L. A.; Deo, K.; Diakaki, M.; Domingo-Pardo, C.; Dressler, R.; Dupont, E.; Duran, I.; Fernandez-Dominguez, B.; Ferrari, A.; Ferreira, P.; Finocchiaro, P.; Frost, R. J. W.; Furman, V.; Ganesan, S.; García, A. R.; Gawlik, A.; Gheorghe, I.; Glodariu, T.; Gonçalves, I. F.; González, E.; Goverdovski, A.; Griesmayer, E.; Guerrero, C.; Gobel, K.; Harada, H.; Heftrich, T.; Heinitz, S.; Hernández-Prieto, A.; Heyse, J.; Jenkins, D. G.; Jericha, E.; Käppeler, F.; Kadi, Y.; Katabuchi, T.; Kavargin, P.; Ketlerov, V.; Khryachkov, V.; Kimura, A.; Kivel, N.; Kokkoris, M.; Krčička, M.; Leal-Cidoncha, E.; Lederer, C.; Leeb, H.; Leredegui, J.; Licata, M.; Lo Meo, S.; Lonsdale, S. J.; Losito, R.; Macina, D.; Marganec, J.; Martínez, T.; Masi, A.; Massimi, C.; Mastinu, P.; Mastro marco, M.; Matteucci, F.; Maugeri, E. A.; Mazzone, A.; Mendoza, E.; Mengoni, A.; Milazzo, P. M.; Mingrone, F.; Mirea, M.; Montesano, S.; Musumarra, A.; Nolte, R.; Oprea, A.; Palomo-Pinto, F. R.; Paradela, C.; Patronis, N.; Pavlik, A.; Perkowski, J.; Porras, I.; Praena, J.; Quesada, J. M.; Rajeev, K.; Rauscher, T.; Reifarth, R.; Riego-Perez, A.; Robles, M.; Rout, P.; Radeck, D.; Rubbia, C.; Ryan, J. A.; Sabaté-Gilarte, M.; Saxena, A.; Schillebeeckx, P.; Schmidt, S.; Schumann, D.; Sedyshev, P.; Smith, A. G.; Stamatopoulos, A.; Suryanarayana, S. V.; Tagliente, G.; Tain, J. L.; Tarifeño-Saldivia, A.; Tarrío, D.; Tassan-Got, L.; Tsinganis, A.; Valenta, S.; Vannini, G.; Variale, V.; Vaz, P.; Ventura, A.; Vlachoudis, V.; Vlastou, R.; Wallner, A.; Warren, S.; Weigand, M.; Weiß, C.; Wolf, C.; Woods, P. J.; Wright, T.; Žugec, P. (n_TOF Collaboration)
Nuclear data activities at the n_TOF facility at CERN
EUROPEAN PHYSICAL JOURNAL PLUS. **131** (10), 371 (2016)
DOI: <http://dx.doi.org/10.1140/epjp/i2016-16371-4>
IF (2016): 1.753
93. Ilić, O.; Kaminer, I.; Lahini, Y.; Buljan, H.; Soljačić, M.
Exploiting optical asymmetry for controlled guiding of particles with light
ACS PHOTONICS. **3** (2), 197-202 (2016)
DOI: <http://dx.doi.org/10.1021/acsp Photonics.5b00605>
IF (2016): 6.756

94. Ivanjek, L.; Sušac, A.; Planinić, M.; Andrašević, A.; Milin-Šipuš, Ž.
Student reasoning about graphs in different contexts
PHYSICAL REVIEW PHYSICS EDUCATION RESEARCH. **12** (1), 10106 (2016)
DOI: <http://dx.doi.org/10.1103/PhysRevPhysEducRes.12.010106>
IF (2016): n/a
95. Kajtez, J.; Solomatina, A.; Novak, M.; Polak, B.; Vukušić, K.; Rüdiger, J.; Cojoc, G.; Milas, A.; Šumanovac Šestak, I.; Risteski, P.; Tavano, F.; Klemm, A. H.; Roscioli, E.; Welburn, J.; Cimini, D.; Glunčić, M.; Pavin, N.; Tolić, I. M.
Overlap microtubules link sister k-fibres and balance the forces on bi-oriented kinetochores
NATURE COMMUNICATIONS. **7**, 10298 (2016)
DOI: <http://dx.doi.org/10.1038/ncomms10298>
IF (2016): 12.124
96. Kaminer, I.; Tenenbaum Katan, Y.; Buljan, H.; Shen, Y.; Ilić, O.; Lopez, J. J.; Wong, L. J.; Joannopoulos, J. D.; Soljačić, M.
Efficient plasmonic emission by the quantum Čerenkov effect from hot carriers in graphene
NATURE COMMUNICATIONS. **7**, 11880 (2016)
DOI: <http://dx.doi.org/10.1038/ncomms11880>
IF (2016): 12.124
97. Klute, F. D.; Schuetz, A.; Michels, A.; Vadla, C.; Veža, D.; Horvatić, V.; Franzke, J.
An experimental study on the influence of trace impurities on ionization of atmospheric noble gas dielectric barrier discharges
ANALYST. **141** (20), 5842-5848 (2016)
DOI: <http://dx.doi.org/10.1039/c6an01352j>
IF (2016): 3.885
98. Kokanović, I.; Cooper, J. R.
Magnetic susceptibility of $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$ crystals: Unusual Curie behavior and small contributions from charge density waves
PHYSICAL REVIEW B. **94** (7), 75155 (2016)
DOI: <http://dx.doi.org/10.1103/PhysRevB.94.075155>
IF (2016): 3.836
99. Koulouridis, E.; Poggianti, B.; Altieri, B.; Valtchanov, I.; Jaffe, Y.; Adami, C.; Elyiv, A.; Melnyk, O.; Fotopoulou, S.; Gastaldello, F.; Horellou, C.; Pierre, M.; Pacaud, F.; Plionis, M.; Sadibekova, T.; Surdej, J.
The XXL Survey XII. Optical spectroscopy of X-ray-selected clusters and the frequency of AGN in superclusters
ASTRONOMY & ASTROPHYSICS. **592**, A11 (2016)
DOI: <http://dx.doi.org/10.1051/0004-6361/201526976>
IF (2016): 5.014

100. Krzysiek, M.; Kmiecik, M.; Maj, A.; Bednarczyk, P.; Bracco, A.; Crespi, F. C. L.; Lanza, E. G.; Litvinova, E.; Paar, N.; Avigo, R.; Bazzacco, D.; Benzoni, G.; Birkenbach, B.; Blasi, N.; Bottoni, S.; Brambilla, S.; Camera, F.; Ceruti, S.; Ciemala, M.; de Angelis, G.; Désesquelles, P.; Eberth, J.; Farnea, E.; Gadea, A.; Giaz, A.; Görgen, A.; Gottardo, A.; Grębosz, J.; Hess, H.; Isocarte, R.; Jungclaus, A.; Leoni, S.; Ljungvall, J.; Lunardi, S.; Mazurek, K.; Menegazzo, R.; Mengoni, D.; Michelagnoli, C.; Milion, B.; Morales, A. I.; Napoli, D. R.; Nicolini, R.; Pellegri, L.; Pullia, A.; Quintana, B.; Recchia, F.; Reiter, P.; Rosso, D.; Salsac, M. D.; Siebeck, B.; Siem, S.; Söderström, P. -A.; Ur, C.; Valiente-Dobón, J. J.; Wieland, O.; Ziębliński, M.
Pygmy dipole resonance in ^{140}Ce via inelastic scattering of ^{17}O
PHYSICAL REVIEW C. **93** (4), 44330 (2016)
DOI: <http://dx.doi.org/10.1103/PhysRevC.93.044330>
IF (2016): 3.820
101. Kumerički, K.; Liuti, S.; Moutarde, H.
GPD phenomenology and DVCS fitting
EUROPEAN PHYSICAL JOURNAL A. **52** (6), 157 (2016)
DOI: <http://dx.doi.org/10.1140/epja/i2016-16157-3>
IF (2016): 2.833
102. Kupčić, I.; Nikšić, G.; Rukelj, Z.; Pelc, D.
Effective numbers of charge carriers in doped graphene: Generalized Fermi liquid approach
PHYSICAL REVIEW B. **94** (7), 75434 (2016)
DOI: <http://dx.doi.org/10.1103/PhysRevB.94.075434>
IF (2016): 3.836
103. Lacy, C. H. S.; Fekel, F. C.; Pavlovski, K.; Torres, G.; Muterspaugh, M. W.
Absolute properties of the pre-main-sequence eclipsing binary star NP Persei
ASTRONOMICAL JOURNAL. **152** (1), 2 (2016)
DOI: <http://dx.doi.org/10.3847/0004-6256/152/1/2>
IF (2016): 2.609
104. Laigle, C.; McCracken, H. J.; Ilbert, O.; Hsieh, B. C.; Davidzon, I.; Capak, P.; Hasinger, G.; Silverman, J. D.; Pichon, C.; Coupon, J.; Aussel, H.; Le Borgne, D.; Caputi, K.; Cassata, P.; Chang, Y. -Y.; Civano, F.; Dunlop, J.; Fynbo, J.; Kartaltepe, J. S.; Koekemoer, A.; Le Fèvre, O.; Le Floch, E.; Leauthaud, A.; Lilly, S.; Lin, L.; Marchesi, S.; Milvang-Jensen, B.; Salvato, M.; Sanders, D. B.; Scoville, N.; Smolčić, V.; Stockmann, M.; Taniguchi, Y.; Tasca, L.; Toft, S.; Vaccari, Mattia; Zabl, J.
The COSMOS2015 catalog: Exploring the $1 < z < 6$ universe with half a million galaxies
ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES. **224** (2), 24 (2016)
DOI: <http://dx.doi.org/10.3847/0067-0049/224/2/24>
IF (2016): 8.955
105. Lang, G.; Veyrat, L.; Gräfe, U.; Hammerath, F.; Paar, D.; Behr, G.; Wurmehl, S.; Grafe, H.-J.
Spatial competition of the ground states in 1111 iron pnictides
PHYSICAL REVIEW B. **94** (1), 14514 (2016)
DOI: <http://dx.doi.org/10.1103/PhysRevB.94.014514>
IF (2016): 3.836

106. Lavoie, S.; Willis, J. P.; Démoclès, J.; Eckert, D.; Gastaldello, F.; Smith, G. P.; Lidman, C.; Adami, C.; Pacaud, F.; Pierre, M.; Clerc, N.; Giles, P.; Lieu, M.; Chiappetti, L.; Altieri, B.; Ardila, F.; Baldry, I.; Bongiorno, A.; Desai, S.; Elyiv, A.; Faccioli, L.; Gardner, B.; Garilli, B.; Groote, M. W.; Guennou, L.; Guzzo, L.; Hopkins, A. M.; Liske, J.; McGee, S.; Melnyk, O.; Owers, M. S.; Poggianti, B.; Ponman, T. J.; Scodreggio, M.; Spitler, L.; Tuffs, R. J.
The XXL survey XV: evidence for dry merger driven BCG growth in XXL-100-GC X-ray clusters
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY. **462** (4), 4141-4156 (2016)
DOI: <http://dx.doi.org/10.1093/mnras/stw1906>
IF (2016): 4.961
107. Lelas, K.; Drpić, N.; Dubček, T.; Jukić, D.; Pezer, R.; Buljan, H.
Laser assisted tunneling in a Tonks-Girardeau gas
NEW JOURNAL OF PHYSICS. **18**, 95002 (2016)
DOI: <http://dx.doi.org/10.1088/1367-2630/18/9/095002>
IF (2016): 3.786
108. Li, Y.; Tabis, W.; Yu, G.; Barišić, N.; Greven, M.
Hidden Fermi-liquid charge transport in the antiferromagnetic phase of the electron-doped cuprate superconductors
PHYSICAL REVIEW LETTERS. **117** (19), 197001 (2016)
DOI: <http://dx.doi.org/10.1103/PhysRevLett.117.197001>
IF (2016): 8.462
109. Li, Z. P.; Nikšić, T.; Vretenar, D.
Coexistence of nuclear shapes: self-consistent mean-field and beyond
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. **43** (2), 24005 (2016)
DOI: <http://dx.doi.org/10.1088/0954-3899/43/2/024005>
IF (2016): 2.899
110. Lidman, C.; Ardila, F.; Owers, M.; Adami, C.; Chiappetti, L.; Civano, F.; Elyiv, A.; Finet, F.; Fotopoulou, S.; Goulding, A.; Koulouridis, E.; Melnyk, O.; Menanteau, F.; Pacaud, F.; Pierre, M.; Plionis, M.; Surdej, J.; Sadibekova, T.
The XXL Survey XIV. AAOmega redshifts for the southern XXL field
PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF AUSTRALIA. **33**, e001 (2016)
DOI: <http://dx.doi.org/10.1017/pasa.2015.52>
IF (2016): 4.095
111. Liu, C.; Wang, S. Y.; Bark, R. A.; Zhang, S. Q.; Meng, J.; Qi, B.; Jones, P.; Wyngaardt, S. M.; Zhao, J.; Xu, C.; Zhou, S. -G.; Wang, S.; Sun, D. P.; Liu, L.; Li, Z. Q.; Zhang, N. B.; Jia, H.; Li, X. Q.; Hua, H.; Chen, Q. B.; Xiao, Z. G.; Li, H. J.; Zhu, L. H.; Bucher, T. D.; Dinoko, T.; Easton, J.; Juhász, K.; Kamblawe, A.; Khaleel, E.; Khumalo, N.; Lawrie, E. A.; Lawrie, J. J.; Majola, S. N. T.; Mullins, S. M.; Murray, S.; Ndayishimye, J.; Negi, D.; Noncolela, S. P.; Ntshangase, S. S.; Nyakó, B. M.; Orce, J. N.; Papka, P.; Sharpey-Schafer, J. F.; Shirinda, O.; Sithole, P.; Stankiewicz, M. A.; Wiedeking, M.
Evidence for octupole correlations in multiple chiral doublet bands
PHYSICAL REVIEW LETTERS. **116** (11), 112501 (2016)
DOI: <http://dx.doi.org/10.1103/PhysRevLett.116.112501>
IF (2016): 8.462

112. Makek, M. (PHENIX Collaboration)
PHENIX results on low-mass dileptons in Au + Au collisions with the Hadron Blind Detector
NUCLEAR PHYSICS A. **956**, 425-428 (2016)
DOI: <http://dx.doi.org/10.1016/j.nuclphysa.2016.02.067>
IF (2016): 1.916
113. Makek, M.; Achenbach, P.; Gayoso, C. Ayerbe; Barbieri, C.; Bernauer, J. C.; Böhm, R.; Bosnar, D.; Denig, A.; Distler, M. O.; Frišćić, I.; Giusti, C.; Merkel, H.; Müller, U.; Nungesser, L.; Pochodzalla, J.; Sanches Majos, S.; Schlimme, B. S.; Schwamb, M.; Walcher, Th. (A1 Collaboration)
Differential cross section measurement of the $^{12}\text{C}(e, e'pp)^{10}\text{Be}_{g.s.}$ reaction
EUROPEAN PHYSICAL JOURNAL A. **52** (9), 298 (2016)
DOI: <http://dx.doi.org/10.1140/epja/i2016-16298-3>
IF (2016): 2.833
114. Man, A. W. S.; Greve, T. R.; Toft, S.; Magnelli, B.; Karim, A.; Ilbert, O.; Salvato, M.; Le Floch, E.; Bertoldi, F.; Casey, C. M.; Lee, N.; Li, Y.; Navarrete, F.; Sheth, K.; Smolčić, V.; Sanders, D. B.; Schinnerer, E.; Zirm, A. W.
Confirming the existence of a quiescent galaxy population out to $z=3$: A stacking analysis of mid-, far-infrared, and radio data
ASTROPHYSICAL JOURNAL. **820** (1), 11 (2016)
DOI: <http://dx.doi.org/10.3847/0004-637X/820/1/11>
IF (2016): 5.533
115. Marchesi, S.; Civano, F.; Elvis, M.; Salvato, M.; Brusa, M.; Comastri, A.; Gilli, R.; Hasinger, G.; Lanzuisi, G.; Miyaji, T.; Treister, E.; Urry, C. M.; Vignali, C.; Zamorani, G.; Alleinato, V.; Cappelluti, N.; Cardamone, C.; Finoguenov, A.; Griffiths, R. E.; Karim, A.; Laigle, C.; LaMassa, S. M.; Jahnke, K.; Ranalli, P.; Schawinski, K.; Schinnerer, E.; Silverman, J. D.; Smolčić, V.; Suh, H.; Trakhtenbrot, B.
The Chandra COSMOS Legacy survey: Optical/ir identifications
ASTROPHYSICAL JOURNAL. **817** (1), 34 (2016)
DOI: <http://dx.doi.org/10.3847/0004-637X/817/1/34>
IF (2016): 5.533
116. Marketin, T.; Huther, L.; Martínez-Pinedo, G.
Large-scale evaluation of β -decay rates of r-process nuclei with the inclusion of first-forbidden transitions
PHYSICAL REVIEW C. **93** (2), 25805 (2016)
DOI: <http://dx.doi.org/10.1103/PhysRevC.93.025805>
IF (2016): 3.820
117. Martinjak, I.; Urbiha, I.
A new generalized Cassini determinant
COLLOQUIUM MATHEMATICUM. **145** (2), 209-218 (2016)
DOI: <http://dx.doi.org/10.4064/cm6756-11-2015>
IF (2016): 0.555

118. Miettinen, O.
Characterising the physical and chemical properties of a young Class 0 protostellar core embedded in the Orion B9 filament
ASTROPHYSICS AND SPACE SCIENCE. **361** (8), 248 (2016)
DOI: <http://dx.doi.org/10.1007/s10509-016-2834-9>
IF (2016): 1.622
119. Mijatović, T.; Szilner, S.; Corradi, L.; Montanari, D.; Pollarolo, G.; Fioretto, E.; Gadea, A.; Goasduff, A.; Malenica, D. Jelavic; Mărginean, N.; Milin, M.; Montagnoli, G.; Scarlassara, F.; Soić, N.; Stefanini, A. M.; Ur, C. A.; Valiente-Dobón, J. J.
Multinucleon transfer reactions in the $^{40}\text{Ar}+^{208}\text{Pb}$ system
PHYSICAL REVIEW C. **94** (6), 64616 (2016)
DOI: <http://dx.doi.org/10.1103/PhysRevC.94.064616>
IF (2016): 3.820
120. Molčanov, K.; Stilinović, V.; Šantić, A.; Maltar-Strmečki, N.; Pajić, D.; Kojić-Prodić, B.
Fine tuning of π -stack separation distances of semiquinone radicals affects their magnetic and electric properties
CRYSTAL GROWTH & DESIGN. **16** (9), 4777-4782 (2016)
DOI: <http://dx.doi.org/10.1021/acs.cgd.6b00675>
IF (2016): 4.055
121. Mondal, C.; Agrawal, B. K.; Centelles, M.; Colò, G.; Roca-Maza, X.; Paar, N.; Viñas, X.; Singh, S. K.; Patra, S. K.
Model dependence of the neutron-skin thickness on the symmetry energy
PHYSICAL REVIEW C. **93** (6), 64303 (2016)
DOI: <http://dx.doi.org/10.1103/PhysRevC.93.064303>
IF (2016): 3.820
122. Nikšić, T.; Vretenar, D.
"Sloppy" nuclear energy density functionals: Effective model reduction
PHYSICAL REVIEW C. **94** (2), 24333 (2016)
DOI: <http://dx.doi.org/10.1103/PhysRevC.94.024333>
IF (2016): 3.820
123. Nomura, K.; Nikšić, T.; Vretenar, D.
Beyond-mean-field boson-fermion model for odd-mass nuclei
PHYSICAL REVIEW C. **93** (5), 54305 (2016)
DOI: <http://dx.doi.org/10.1103/PhysRevC.93.054305>
IF (2016): 3.820
124. Nomura, K.; Nikšić, T.; Vretenar, D.
Signatures of shape phase transitions in odd-mass nuclei
PHYSICAL REVIEW C. **94** (6), 64310 (2016)
DOI: <http://dx.doi.org/10.1103/PhysRevC.94.064310>
IF (2016): 3.820

125. Nomura, K.; Otsuka, T.; Van Isacker, P.
Shape coexistence in the microscopically guided interacting boson model
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. **43** (2), 24008 (2016)
DOI: <http://dx.doi.org/10.1088/0954-3899/43/2/024008>
IF (2016): 2.899

126. Nomura, K.; Rodríguez-Guzmán, R.; Robledo, L. M.
Structural evolution in $A \approx 100$ nuclei within the mapped interacting boson model based on the Gogny energy density functional
PHYSICAL REVIEW C. **94** (4), 44314 (2016)
DOI: <http://dx.doi.org/10.1103/PhysRevC.94.044314>
IF (2016): 3.820

127. Novko, D.; Šunjić, M.; Despoja, V.
Optical absorption and conductivity in quasi-two-dimensional crystals from first principles: Application to graphene
PHYSICAL REVIEW B. **93** (12), 125413 (2016)
DOI: <http://dx.doi.org/10.1103/PhysRevB.93.125413>
IF (2016): 3.836

128. Očko, M.; Zadro, K.; Drobac, Đ.; Aviani, I.; Salamon, K.; Mixson, D.; Bauer, E. D.; Sarrao, J. L.
Study of the magnetic properties of the $Ce_x La_{1-x} Pt$ alloy system: Which interaction establishes ferromagnetism in Kondo systems?
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. **417**, 359-364 (2016)
DOI: <http://dx.doi.org/10.1016/j.jmmm.2016.05.100>
IF (2016): 2.630

129. Paar, D.; Frančičković-Bilinski, S.; Buzjak, N.; Maldini, K.; Milović, S.; Pichler, S.
Geochemical and mineralogical characterization of speleothems from the karst of Croatia as potential sources of data for environmental researches
JOURNAL OF GEOCHEMICAL EXPLORATION. **167**, 20-37 (2016)
DOI: <http://dx.doi.org/10.1016/j.gexplo.2016.05.004>
IF (2016): 2.464

130. Pavesi, R.; Riechers, D. A.; Capak, P. L.; Carilli, C. L.; Sharon, C. E.; Stacey, G. J.; Karim, A.; Scoville, N. Z.; Smolčić, V.
ALMA reveals weak [N II] emission in typical galaxies and intense starbursts at $z=5-6$
ASTROPHYSICAL JOURNAL. **832** (2), 151 (2016)
DOI: <http://dx.doi.org/10.3847/0004-637X/832/2/151>
IF (2016): 5.533

131. Pelc, D.; Vučković, M.; Grafe, H.-J.; Baek, S.-H.; Požek, M.
Unconventional charge order in a co-doped high- T_c superconductor
NATURE COMMUNICATIONS. **7**, 12775 (2016)
DOI: <http://dx.doi.org/10.1038/ncomms12775>
IF (2016): 12.124

132. Pierre, M.; Pacaud, F.; Adami, C.; Alis, S.; Altieri, B.; Baran, N.; Benoist, C.; Birkinshaw, M.; Bongiorno, A.; Bremer, M. N.; Brusa, M.; Butler, A.; Ciliegi, P.; Chiappetti, L.; Clerc, N.; Corasaniti, P. S.; Coupon, J.; De Breuck, C.; Démoclès, J.; Desai, S.; Delhaize, J.; Devriendt, J.; Dubois, Y.; Eckert, D.; Elyiv, A.; Etori, S.; Evrard, A.; Faccioli, L.; Farahi, A.; Ferrari, C.; Finet, E.; Fotopoulou, S.; Fourmanoit, N.; Gandhi, P.; Gastaldello, E.; Gastaud, R.; Georgantopoulos, I.; Giles, P.; Guennou, L.; Guglielmo, V.; Horellou, C.; Husband, K.; Huynh, M.; Lovino, A.; Kilbinger, M.; Koulouridis, E.; Lavoie, S.; Le Brun, A. M. C.; Le Fèvre, J. P.; Lidman, C.; Lieu, M.; Lin, C. A.; Mantz, A.; Maughan, B. J.; Maurogordato, S.; McCarthy, I. G.; McGee, S.; Melin, J. B.; Melnyk, O.; Menanteau, F.; Novak, M.; Paltani, S.; Plionis, M.; Poggianti, B. M.; Pomarede, D.; Pompei, E.; Ponman, T. J.; Ramos-Ceja, M. E.; Ranalli, P.; Rapetti, D.; Raychaudury, S.; Reiprich, T. H.; Rottgering, H.; Rozo, E.; Rykoff, E.; Sadibekova, T.; Santos, J.; Sauvageot, J. L.; Schimd, C.; Sereno, M.; Smith, G. P.; Smolčić, V.; Snowden, S.; Spergel, D.; Stanford, S.; Surdej, J.; Valageas, P.; Valotti, A.; Valtchanov, I.; Vignali, C.; Willis, J.; Ziparo, F.
The XXL Survey I. Scientific motivations - XMM-Newton observing plan - Follow-up observations and simulation programme
ASTRONOMY & ASTROPHYSICS. **592**, A1 (2016)
DOI: <http://dx.doi.org/10.1051/0004-6361/201526766>
IF (2016): 5.014
133. Pinterić, M.; Lazić, P.; Pustogow, A.; Ivek, T.; Kuveždić, M.; Milat, O.; Gumhalter, B.; Basletić, M.; Čulo, M.; Korin-Hamzić, B.; Löhle, A.; Hübner, R.; Alonso, M. Sanz; Hiramatsu, T.; Yoshida, Y.; Saito, G.; Dressel, M.; Tomić, S.
Anion effects on electronic structure and electrodynamic properties of the Mott insulator κ -(BEDT-TTF)₂Ag₂(CN)₃
PHYSICAL REVIEW B. **94** (16), 161105 (2016)
DOI: <http://dx.doi.org/10.1103/PhysRevB.94.161105>
IF (2016): 3.836
134. Poljak, N.
Maximum range of a projectile thrown from constant-speed circular motion
PHYSICS TEACHER. **54** (8), 472-475 (2016)
DOI: <http://dx.doi.org/10.1119/1.4965267>
IF (2016): 0.464
135. Pompei, E.; Adami, C.; Eckert, D.; Gastaldello, F.; Lavoie, S.; Poggianti, B.; Altieri, B.; Alis, S.; Baran, N.; Benoist, C.; Jaffe, Y. L.; Koulouridis, E.; Maurogordato, S.; Pacaud, F.; Pierre, M.; Sadibekova, T.; Smolčić, V.; Valtchanov, I.
The XXL Survey VII. A supercluster of galaxies at $z=0.43$
ASTRONOMY & ASTROPHYSICS. **592**, A6 (2016)
DOI: <http://dx.doi.org/10.1051/0004-6361/201527142>
IF (2016): 5.014
136. Popović, S.
Crystallography in Croatia on occasion of the 25th anniversary of the foundation of the Croatian Crystallographic Association
CROATICA CHEMICA ACTA. **89** (3), 367-370 (2016)
DOI: <http://dx.doi.org/10.5562/cca3046>
IF (2016): 0.586

137. Šrut Rakić, I.; Čapeta, D.; Plodinec, M.; Kralj, M.
Large-scale transfer and characterization of macroscopic periodically nano-rippled graphene
CARBON. **96**, 243-249 (2016)
DOI: <http://dx.doi.org/10.1016/j.carbon.2015.09.046>
IF (2016): 6.337
138. Rappaport, S.; Lehmann, H.; Kalomeni, B.; Borkovits, T.; Latham, D.; Bieryla, A.; Ngo, H.; Mawet, D.; Howell, S.; Horch, E.; Jacobs, T. L.; LaCourse, D.; Sódor, Á.; Vanderburg, A.; Pavlovski, K.
A quintuple star system containing two eclipsing binaries
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY. **462** (2), 1812-1825 (2016)
DOI: <http://dx.doi.org/10.1093/mnras/stw1745>
IF (2016): 4.961
139. Ristić, R.; Zadro, K.; Pajić, D.; Figueroa, I. A.; Babić, E.
On the origin of bulk glass forming ability in Cu-Hf, Zr alloys
EPL. **114** (1), 17006 (2016)
DOI: <http://dx.doi.org/10.1209/0295-5075/114/17006>
IF (2016): 1.957
140. Rivera, N.; Hsu, C. W.; Zhen, B.; Buljan, H.; Joannopoulos, J. D.; Soljačić, M.
Controlling directionality and dimensionality of radiation by perturbing separable bound states in the continuum
SCIENTIFIC REPORTS. **6**, 33394 (2016)
DOI: <http://dx.doi.org/10.1038/srep33394>
IF (2016): 4.259
141. Rosandić, M.; Vlahović, I.; Glunčić, M.; Paar, V.
Trinucleotide's quadruplet symmetries and natural symmetry law of DNA creation ensuing Chargaff's second parity rule
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS. **34** (7), 1383-1394 (2016)
DOI: <http://dx.doi.org/10.1080/07391102.2015.1080628>
IF (2016): 3.123
142. Rukelj, Z.; Štrkalj, A.; Despoja, V.
Optical absorption and transmission in a molybdenum disulfide monolayer
PHYSICAL REVIEW B. **94** (11), 115428 (2016)
DOI: <http://dx.doi.org/10.1103/PhysRevB.94.115428>
IF (2016): 3.836
143. Sačer, D.; Čapeta, D.; Šrut Rakić, I.; Peter, R.; Petravić, M.; Kraljić Roković, M.
Tailoring polypyrrole supercapacitive properties by intercalation of graphene oxide within the layer
ELECTROCHIMICA ACTA. **193**, 311-320 (2016)
DOI: <http://dx.doi.org/10.1016/j.electacta.2016.02.055>
IF (2016): 4.798

144. Salamon, K.; Očko, M.; Radić, N.; Bogdanović Radović, I.; Despoja, V.; Bernstorff, S.
Bixbyite-Ta₂N₃ thin films: Characterization and electrical properties
JOURNAL OF ALLOYS AND COMPOUNDS. **682**, 98-106 (2016)
DOI: <http://dx.doi.org/10.1016/j.jallcom.2016.04.254>
IF (2016): 3.133
145. Šalić, A.; Pindrić, K.; Hojnik Podrepšek, G.; Novosel, N.; Leitgeb, M.; Zelic, B.
NADH oxidation in a microreactor with an oscillating magnetic field
JOURNAL OF FLOW CHEMISTRY. **6** (1), 27-32 (2016)
DOI: <http://dx.doi.org/10.1556/1846.2015.00034>
IF (2016): 1.768
146. Schinnerer, E.; Groves, B.; Sargent, M. T.; Karim, A.; Oesch, P. A.; Magnelli, B.; LeFèvre, O.;
Tasca, L.; Civano, F.; Cassata, P.; Smolčić, V.
Gas fraction and depletion time of massive star-forming galaxies at $z \sim 3.2$: No change in global
star formation process out to $z > 3$
ASTROPHYSICAL JOURNAL. **833** (1), 112 (2016)
DOI: <http://dx.doi.org/10.3847/1538-4357/833/1/112>
IF (2016): 5.533
147. Schulz, F.; Achenbach, P.; Aulenbacher, S.; Beričić, J.; Bleser, S.; Böhm, R.; Bosnar, D.; Correa,
L.; Distler, M. O.; Esser, A.; Fonvieille, H.; Friščić, I.; Fujii, Y.; Fujita, M.; Gogami, T.; Kanda, H.;
Kaneta, M.; Kegel, S.; Kohl, Y.; Kusaka, W.; Margaryan, A.; Merkel, H.; Mihovilović, M.; Müller,
U.; Nagao, S.; Nakamura, S. N.; Pochodzalla, J.; Lorente, A. Sanchez; Schlimme, B. S.; Schoth,
M.; Sfienti, C.; Širca, S.; Steinen, M.; Takahashi, Y.; Tang, L.; Thiel, M.; Tsukada, K.; Tyukin, A.;
Weber, A. (A1 Collaboration)
Ground-state binding energy of ^4H from high-resolution decay-pion spectroscopy
NUCLEAR PHYSICS A. **954**, 149-160 (2016)
DOI: <http://dx.doi.org/10.1016/j.nuclphysa.2016.03.015>
IF (2016): 1.916
148. Smolčić, V.; Delhaize, J.; Huynh, M.; Bondi, M.; Ciliegi, P.; Novak, M.; Baran, N.; Birkinshaw, M.;
Bremer, M. N.; Chiappetti, L.; Ferrari, C.; Fotopoulou, S.; Horellou, C.; McGee, S. L.; Pacaud, F.;
Pierre, M.; Raychaudhury, S.; Röttgering, H.; Vignali, C.
The XXL Survey XI. ATCA 2.1 GHz continuum observations
ASTRONOMY & ASTROPHYSICS. **592**, A10 (2016)
DOI: <http://dx.doi.org/10.1051/0004-6361/201526818>
IF (2016): 5.014
149. Sunko, D. K.
Natural generalization of the ground-state Slater determinant to more than one dimension
PHYSICAL REVIEW A. **93** (6), 62109 (2016)
DOI: <http://dx.doi.org/10.1103/PhysRevA.93.062109>
IF (2016): 2.925

150. Sunko, D. K.
Fundamental invariants of many-body Hilbert space
MODERN PHYSICS LETTERS B. **30** (36), 1630009 (2016)
DOI: <http://dx.doi.org/10.1142/S021798491630009X>
IF (2016): 0.617
151. Tabas, A.; Siebert, A.; Supek, S.; Pressnitzer, D.; Balaguer-Ballester, E.; Rupp, A.
Insights on the neuromagnetic representation of temporal asymmetry in human auditory cortex
PLOS ONE. **11** (4), e0153947 (2016)
DOI: <http://dx.doi.org/10.1371/journal.pone.0153947>
IF (2016): 2.806
152. Thomas, T.; Werner, V.; Jolie, J.; Nomura, K.; Ahn, T.; Cooper, N.; Duckwitz, H.; Fitzler, A.; Fransen, C.; Gade, A.; Hinton, M.; Ilie, G.; Jessen, K.; Linnemann, A.; Petkov, P.; Pietralla, N.; Radeck, D.
Nuclear structure of $^{96,98}\text{Mo}$: Shape coexistence and mixed-symmetry states
NUCLEAR PHYSICS A. **947**, 203-233 (2016)
DOI: <http://dx.doi.org/10.1016/j.nuclphysa.2015.12.010>
IF (2016): 1.916
153. Tkachenko, A.; Matthews, J. M.; Aerts, C.; Pavlovski, K.; Pápics, P. I.; Zwintz, K.; Cameron, C.; Walker, G. A. H.; Kuschnig, R.; Degroote, P.; Debosscher, J.; Moravveji, E.; Kolbas, V.; Guenther, D. B.; Moffat, A. F. J.; Rowe, J. F.; Rucinski, S. M.; Sasselov, D.; Weiss, W. W.
Stellar modelling of Spica, a high-mass spectroscopic binary with a β Cep variable primary component
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY. **458** (2), 1964-1976 (2016)
DOI: <http://dx.doi.org/10.1093/mnras/stw255>
IF (2016): 4.961
154. Tolić, I. M.; Pavin, N.
Bridging the gap between sister kinetochores
CELL CYCLE. **15** (9), 1169-1170 (2016)
DOI: <http://dx.doi.org/10.1080/15384101.2016.1157976>
IF (2016): 3.530
155. Topić, N.; Bogdanović Radović, I.; Fazinić, S.; Skoko, Ž.
Analysis of medieval and post-medieval glass fragments from the Dubrovnik region (Croatia)
ARCHAEOLOGY. **58** (4), 574-592 (2016)
DOI: <http://dx.doi.org/10.1111/arcm.12191>
IF (2016): 1.470
156. Vale, D.; Rauscher, T.; Paar, N.
Hybrid method to resolve the neutrino mass hierarchy by supernova (anti)neutrino induced reactions
JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. **2016** (2), 7 (2016)
DOI: <http://dx.doi.org/10.1088/1475-7516/2016/02/007>
IF (2016): 4.734

157. Velebit, K.; Popčević, P.; Batistić, I.; Eichler, M.; Berger, H.; Forró, L.; Dressel, M.; Barišić, N.; Tutiš, E.
Scattering-dominated high-temperature phase of 1T-TiSe₂: An optical conductivity study
PHYSICAL REVIEW B. **94** (7), 75105 (2016)
DOI: <http://dx.doi.org/10.1103/PhysRevB.94.075105>
IF (2016): 3.836
158. Zhao, J.; Lu, B-N.; Nikšić, T.; Vretenar, D.; Zhou, S-G.
Multidimensionally-constrained relativistic mean-field study of spontaneous fission: Coupling between shape and pairing degrees of freedom
PHYSICAL REVIEW C. **93** (4), 44315 (2016)
DOI: <http://dx.doi.org/10.1103/PhysRevC.93.044315>
IF (2016): 3.820
159. Žugec, P.; Bosnar, D.; Colonna, N.; Gunsing, E. (n_TOF Collaboration)
An improved method for estimating the neutron background in measurements of neutron capture reactions
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. **826**, 80-89 (2016)
DOI: <http://dx.doi.org/10.1016/j.nima.2016.04.086>
IF (2016): 1.362
160. Žugec, P.; Colonna, N.; Bosnar, D.; Ventura, A.; Mengoni, A.; Altstadt, S.; Andrzejewski, J.; Audouin, L.; Barbagallo, M.; Bécáres, V.; Bečvář, F.; Belloni, F.; Berthoumieux, E.; Billowes, J.; Boccone, V.; Brugger, M.; Calviani, M.; Calviño, F.; Cano-Ott, D.; Carrapiço, C.; Cerutti, F.; Chiaveri, E.; Chin, M.; Cortés, G.; Cortés-Giraldo, M. A.; Cosentino, L.; Diakaki, M.; Domingo-Pardo, C.; Dressler, R.; Duran, I.; Eleftheriadis, C.; Ferrari, A.; Finocchiaro, P.; Fraval, K.; Ganesan, S.; García, A. R.; Giubrone, G.; Gómez-Hornillos, M. B.; Gonçalves, I. F.; González-Romero, E.; Griesmayer, E.; Guerrero, C.; Günsing, F.; Gurusamy, P.; Heinitz, S.; Jenkins, D. G.; Jericha, E.; Kaeppler, F.; Karadimos, D.; Kivel, N.; Kokkoris, M.; Krtička, M.; Kroll, J.; Langer, C.; Lederer, C.; Leeb, H.; Leong, L. S.; Lo Meo, S.; Losito, R.; Manousos, A.; Marganec, J.; Martínez, T.; Massimi, C.; Mastinu, P.; Mastro marco, M.; Mendoza, E.; Milazzo, P. M.; Mingrone, F.; Mirea, M.; Mondalaers, W.; Musumarra, A.; Paradela, C.; Pavlik, A.; Perkowski, J.; Plompen, A.; Praena, J.; Quesada, J.; Rauscher, T.; Reifarth, R.; Riego, A.; Roman, F.; Rubbia, C.; Sarmiento, R.; Saxena, A.; Schillebeeckx, P.; Schmidt, S.; Schumann, D.; Tagliente, G.; Tain, J. L.; Tarrío, D.; Tassan-Got, L.; Tsinganis, A.; Valenta, S.; Vannini, G.; Variale, V.; Vaz, P.; Versaci, R.; Vermeulen, M. J.; Vlachoudis, V.; Vlastou, R.; Wallner, A.; Ware, T.; Weigand, M.; Weiß, C.; Wright, T.
Integral measurement of the ¹²C(n, p)¹²B reaction up to 10 GeV
EUROPEAN PHYSICAL JOURNAL A. **52** (4), 101 (2016)
DOI: <http://dx.doi.org/10.1140/epja/i2016-16101-7>
IF (2016): 2.833

161. Žugec, P.; Weiß, C.; Guerrero, C.; Günsing, F.; Vlachoudis, V.; Sabaté-Gilarte, M.; Stamatopoulos, A.; Wright, T.; Lerendegui-Marco, J.; Mingrone, F.; Ryan, J. A.; Warren, S. G.; Tsinganis, A.; Barbagallo, M. (n_TOF Collaboration)
Pulse processing routines for neutron time-of-flight data
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS
SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. **812**, 134-144 (2016)
DOI: <http://dx.doi.org/10.1016/j.nima.2015.12.054>
IF (2016): 1.362