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1. Acharya, S.; ...; Antičić, Tome; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Jerčić, Marko; ...; Lončar, P.; ...; Mudnić, Eugen; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Simatović, Goran; ...; Utrobičić, Antonija; ...; Vicković, Linda; ...; Zou, S. (ALICE Collaboration)
Kaon femtoscopy in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV
PHYSICAL REVIEW C. **96** (6), 64613 (2017)
DOI: <http://dx.doi.org/10.1103/PhysRevC.96.064613>
IF (2017): 3.304
2. Acharya, S.; ...; Antičić, Tome; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Jerčić, Marko; ...; Lončar, P.; ...; Mudnić, Eugen; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Simatović, Goran; ...; Utrobičić, Antonija; ...; Vicković, Linda; ...; Zou, S. (ALICE Collaboration)
 J/ψ Elliptic Flow in Pb-Pb Collisions at $\sqrt{s_{NN}}=5.02$ TeV
PHYSICAL REVIEW LETTERS. **119** (24), 242301 (2017)
DOI: <http://dx.doi.org/10.1103/PhysRevLett.119.242301>
IF (2017): 8.839
3. Acharya, S.; ...; Antičić, Tome; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Jerčić, Marko; ...; Lončar, P.; ...; Mudnić, Eugen; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Simatović, Goran; ...; Utrobičić, Antonija; ...; Vicković, Linda; ...; Zou, S. (ALICE Collaboration)
Charged-particle multiplicity distributions over a wide pseudorapidity range in proton-proton collisions at $\sqrt{s}=0.9, 7,$ and 8 TeV
EUROPEAN PHYSICAL JOURNAL C. **77** (12), 852 (2017)
DOI: <http://dx.doi.org/10.1140/epjc/s10052-017-5412-6>
IF (2017): 5.172
4. Acharya, S.; ...; Antičić, Tome; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Jerčić, Marko; ...; Lončar, P.; ...; Mudnić, Eugen; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Simatović, Goran; ...; Utrobičić, Antonija; ...; Vicković, Linda; ...; Zou, S. (ALICE Collaboration)
Measuring $K^0_S K^\pm$ interactions using Pb–Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV
PHYSICS LETTERS B. **774**, 64-77 (2017)
DOI: <http://dx.doi.org/10.1016/j.physletb.2017.09.009>
IF (2017): 4.254
5. Acharya, S.; ...; Antičić, Tome; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Jerčić, Marko; ...; Lončar, P.; ...; Mudnić, Eugen; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Simatović, Goran; ...; Utrobičić, Antonija; ...; Vicković, Linda; ...; Zou, S. (ALICE Collaboration)
Linear and non-linear flow mode in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV
PHYSICS LETTERS B. **773**, 68-80 (2017)
DOI: <http://dx.doi.org/10.1016/j.physletb.2017.07.060>
IF (2017): 4.254

6. Acharya, S.; ...; Antičić, Tome; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Jerčić, Marko; ...; Lončar, P.; ...; Mudnić, Eugen; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Simatović, Goran; ...; Utrobičić, Antonija; ...; Vicković, Linda; ...; Zou, S. (ALICE Collaboration)
Measurement of deuteron spectra and elliptic flow in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV at the LHC
EUROPEAN PHYSICAL JOURNAL C. **77** (10), 658 (2017)
DOI: <http://dx.doi.org/10.1140/epjc/s10052-017-5222-x>
IF (2017): 5.172
7. Acharya, S.; ...; Antičić, Tome; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Jerčić, Marko; ...; Lončar, P.; ...; Mudnić, Eugen; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Simatović, Goran; ...; Utrobičić, Antonija; ...; Vicković, Linda; ...; Zou, S. (ALICE Collaboration)
Searches for transverse momentum dependent flow vector fluctuations in Pb-Pb and p-Pb collisions at the LHC
JOURNAL OF HIGH ENERGY PHYSICS. **2017** (9), 32 (2017)
DOI: [http://dx.doi.org/10.1007/JHEP09\(2017\)032](http://dx.doi.org/10.1007/JHEP09(2017)032)
IF (2017): 5.541
8. Acharya, S.; ...; Antičić, Tome; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Jerčić, Marko; ...; Lončar, P.; ...; Mudnić, Eugen; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Simatović, Goran; ...; Utrobičić, Antonija; ...; Vicković, Linda; ...; Zmeskal, J. (ALICE Collaboration)
Measurement of D-meson production at mid-rapidity in pp collisions at $\sqrt{s}=7$ TeV
EUROPEAN PHYSICAL JOURNAL C. **77** (8), 550 (2017)
DOI: <http://dx.doi.org/10.1140/epjc/s10052-017-5090-4>
IF (2017): 5.172
9. Acharya, S.; ...; Antičić, Tome; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Jerčić, Marko; ...; Lončar, P.; ...; Mudnić, Eugen; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Simatović, Goran; ...; Utrobičić, Antonija; ...; Vicković, Linda; ...; Zmeskal, J. (ALICE Collaboration)
Production of muons from heavy-flavour hadron decays in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV
PHYSICS LETTERS B. **770**, 459-472 (2017)
DOI: <http://dx.doi.org/10.1016/j.physletb.2017.03.049>
IF (2017): 4.254
10. Acharya, S.; ...; Antičić, Tome; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Jerčić, Marko; ...; Lončar, P.; ...; Mudnić, Eugen; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Simatović, Goran; ...; Utrobičić, Antonija; ...; Vicković, Linda; ...; Zmeskal, J. (ALICE Collaboration)
Energy dependence of forward-rapidity J/ψ and $\psi(2S)$ production in pp collisions at the LHC
EUROPEAN PHYSICAL JOURNAL C. **77** (6), 392 (2017)
DOI: <http://dx.doi.org/10.1140/epjc/s10052-017-4940-4>
IF (2017): 5.172

11. Acharya, S.; ...; Antičić, Tome; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Jerčić, Marko; ...; Lončar, P.; ...; Mudnić, Eugen; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Simatović, Goran; ...; Utrobičić, Antonija; ...; Vicković, Linda; ...; Zmeskal, J. (ALICE Collaboration)
 Production of π^0 and η mesons up to high transverse momentum in pp collisions at 2.76 TeV
EUROPEAN PHYSICAL JOURNAL C. **77** (5), 339 (2017)
 DOI: <http://dx.doi.org/10.1140/epjc/s10052-017-4890-x>
 IF (2017): 5.172
12. Achenbach, P.; Gayoso, C. Ayerbe; Boehm, R.; Borodina, O.; Bosnar, D.; Bozkurt, V.; Bydzovsky, P.; Debenjak, L.; Distler, M. O.; Esser, A.; Friščić, I.; Fujii, Y.; Gogami, T.; Rodriguez, M. Gomez; Hashimoto, O.; Hirose, S.; Kanda, H.; Kaneta, M.; Kim, E.; Margaryan, A.; Merkel, H.; Mueller, U.; Nagao, S.; Nakamura, S. N.; Pochodzalla, J.; Rappold, C.; Reinhold, J.; Saito, T. R.; Lorente, A. Sanchez; Majos, S. Sanchez; Schlimme, B. S.; Schoth, M.; Schulz, F.; Sfienti, C.; Sirca, S.; Skoupil, D.; Tang, L.; Thiel, M.; Tsukada, K. (A1 Collaboration)
 Beam helicity asymmetries in $K^+\Lambda$ electroproduction off the proton at low Q^2
EUROPEAN PHYSICAL JOURNAL A. **53** (10), 198 (2017)
 DOI: <http://dx.doi.org/10.1140/epja/i2017-12395-1>
 IF (2017): 2.799
13. Adam, J.; ...; Antičić, Tome; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Jerčić, Marko; ...; Lončar, P.; ...; Mudnić, Eugen; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Simatović, Goran; ...; Utrobičić, Antonija; ...; Vicković, Linda; ...; Zmeskal, J. (ALICE Collaboration)
 Centrality dependence of the pseudorapidity density distribution for charged particles in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
PHYSICS LETTERS B. **772**, 567-577 (2017)
 DOI: <http://dx.doi.org/10.1016/j.physletb.2017.07.017>
 IF (2017): 4.254
14. Adam, J.; ...; Antičić, Tome; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Mudnić, Eugen; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Simatović, Goran; ...; Utrobičić, Antonija; ...; Vicković, Linda; ...; Zmeskal, J. (ALICE Collaboration)
 Evolution of the longitudinal and azimuthal structure of the near-side jet peak in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV
PHYSICAL REVIEW C. **96** (3), 34904 (2017)
 DOI: <http://dx.doi.org/10.1103/PhysRevC.96.034904>
 IF (2017): 3.304
15. Adam, J.; ...; Antičić, Tome; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Mudnić, Eugen; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Simatović, Goran; ...; Utrobičić, Antonija; ...; Vicković, Linda; ...; Zmeskal, J. (ALICE Collaboration)
 Anomalous Evolution of the Near-Side Jet Peak Shape in Pb-Pb Collisions at $\sqrt{s_{NN}}=2.76$ TeV
PHYSICAL REVIEW LETTERS. **119** (10), 102301 (2017)
 DOI: <http://dx.doi.org/10.1103/PhysRevLett.119.102301>
 IF (2017): 8.839

16. Adam, J.; ...; Antičić, Tome; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Mudnić, Eugen; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Simatović, Goran; ...; Utrobičić, Antonija; ...; Vicković, Linda; ...; Zmeskal, J. (ALICE Collaboration)
 Insight into particle production mechanisms via angular correlations of identified particles in pp collisions at $\sqrt{s}=7$ TeV
EUROPEAN PHYSICAL JOURNAL C. **77** (8), 569 (2017)
 DOI: <http://dx.doi.org/10.1140/epjc/s10052-017-5129-6>
 IF (2017): 5.172
17. Adam, J.; ...; Antičić, Tome; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Mudnić, Eugen; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Simatović, Goran; ...; Utrobičić, Antonija; ...; Vicković, Linda; ...; Zmeskal, J. (ALICE Collaboration)
 Measurement of the production of high-pT electrons from heavy-flavour hadron decays in Pb–Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV
PHYSICS LETTERS B. **771**, 467-481 (2017)
 DOI: <http://dx.doi.org/10.1016/j.physletb.2017.05.060>
 IF (2017): 4.254
18. Adam, J.; ...; Antičić, Tome; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Mudnić, Eugen; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Simatović, Goran; ...; Utrobičić, Antonija; ...; Vicković, Linda; ...; Zmeskal, J. (ALICE Collaboration)
 Measurement of electrons from beauty-hadron decays in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV and Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV
JOURNAL OF HIGH ENERGY PHYSICS. **2017** (7), 52 (2017)
 DOI: [http://dx.doi.org/10.1007/JHEP07\(2017\)052](http://dx.doi.org/10.1007/JHEP07(2017)052)
 IF (2017): 5.541
19. Adam, J.; ...; Antičić, Tome; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Jerčić, Marko; ...; Lončar, P.; ...; Mudnić, Eugen; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Simatović, Goran; ...; Utrobičić, Antonija; ...; Vicković, Linda; ...; Zmeskal, J. (ALICE Collaboration)
 $K^*(892)^0$ and $\phi(1020)$ meson production at high transverse momentum in pp and Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV
PHYSICAL REVIEW C. **95** (6), 64606 (2017)
 DOI: <http://dx.doi.org/10.1103/PhysRevC.95.064606>
 IF (2017): 3.304
20. Adam, J.; ...; Antičić, Tome; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Mudnić, Eugen; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Simatović, Goran; ...; Utrobičić, Antonija; ...; Vicković, Linda; ...; Zyzak, M. (ALICE Collaboration)
 Enhanced production of multi-strange hadrons in high-multiplicity proton-proton collisions
NATURE PHYSICS. **13** (6), 535-539 (2017)
 DOI: <http://dx.doi.org/10.1038/NPHYS4111>
 IF (2017): 22.727

21. Adam, J.; ...; Antičić, Tome; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Mudnić, Eugen; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Simatović, Goran; ...; Utrobičić, Antonija; ...; Vicković, Linda; ...; Zyzak, M. (ALICE Collaboration)
phi-Meson production at forward rapidity in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV and in pp collisions at $\sqrt{s}=2.76$ TeV
PHYSICS LETTERS B. **768**, 203-217 (2017)
DOI: <http://dx.doi.org/10.1016/j.physletb.2017.01.074>
IF (2017): 4.254
22. Adam, J.; ...; Antičić, Tome; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Jerčić, Marko; ...; Lončar, P.; ...; Mudnić, Eugen; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Simatović, Goran; ...; Utrobičić, Antonija; ...; Vicković, Linda; ...; Zmeskal, J. (ALICE Collaboration)
Flow Dominance and Factorization of Transverse Momentum Correlations in Pb-Pb Collisions at the LHC
PHYSICAL REVIEW LETTERS. **118** (16), 162302 (2017)
DOI: <http://dx.doi.org/10.1103/PhysRevLett.118.162302>
IF (2017): 8.839
23. Adam, J.; ...; Antičić, Tome; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Mudnić, Eugen; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Simatović, Goran; ...; Utrobičić, Antonija; ...; Vicković, Linda; ...; Zyzak, M. (ALICE Collaboration)
Measurement of azimuthal correlations of D mesons with charged particles in pp collisions at $\sqrt{s} = 7$ TeV and p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV
EUROPEAN PHYSICAL JOURNAL C. **77** (4), 245 (2017)
DOI: <http://dx.doi.org/10.1140/epjc/s10052-017-4779-8>
IF (2017): 5.172
24. Adam, J.; ...; Antičić, Tome; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Mudnić, Eugen; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Simatović, Goran; ...; Utrobičić, Antonija; ...; Vicković, Linda; ...; Zyzak, M. (ALICE Collaboration)
J/ ψ suppression at forward rapidity in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV
PHYSICS LETTERS B. **766**, 212-224 (2017)
DOI: <http://dx.doi.org/10.1016/j.physletb.2016.12.064>
IF (2017): 4.254
25. Adam, J.; ...; Antičić, Tome; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Mudnić, Eugen; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Simatović, Goran; ...; Utrobičić, Antonija; ...; Vicković, Linda; ...; Zmeskal, J. (ALICE Collaboration)
Determination of the event collision time with the ALICE detector at the LHC
EUROPEAN PHYSICAL JOURNAL PLUS. **132** (2), 99 (2017)
DOI: <http://dx.doi.org/10.1140/epjp/i2017-11279-1>
IF (2017): 2.240

26. Adam, J.; ...; Antičić, Tome; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Mudnić, Eugen; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Simatović, Goran; ...; Utrobičić, Antonija; ...; Vicković, Linda; ...; Zmeskal, J. (ALICE Collboration)
 W and Z boson production in p-Pb collisions at TeV $\sqrt{s_{NN}}=5.02$ TeV
JOURNAL OF HIGH ENERGY PHYSICS. **2017** (2), 77 (2017)
 DOI: [http://dx.doi.org/10.1007/JHEP02\(2017\)077](http://dx.doi.org/10.1007/JHEP02(2017)077)
 IF (2017): 5.541
27. Adam, J.; ...; Antičić, Tome; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Mudnić, Eugen; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Simatović, Goran; ...; Utrobičić, Antonija; ...; Vicković, Linda; ...; Zyzak, M. (ALICE Collaboration)
 Charged-particle multiplicities in proton-proton collisions at $\sqrt{s}=0.9$ to 8 TeV
EUROPEAN PHYSICAL JOURNAL C. **77** (1), 33 (2017)
 DOI: <http://dx.doi.org/10.1140/epjc/s10052-016-4571-1>
 IF (2017): 5.172
28. Adamova, D.; ...; Antičić, Tome; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Jerčić, Marko; ...; Lončar, P.; ...; Mudnić, Eugen; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Simatović, Goran; ...; Utrobičić, Antonija; ...; Vicković, Linda; ...; Zmeskal, J. (ALICE Collaboration)
 Production of $(1385)^{\pm}$ and $(1530)^0$ in p–Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV
EUROPEAN PHYSICAL JOURNAL C. **77** (6), 389 (2017)
 DOI: <http://dx.doi.org/10.1140/epjc/s10052-017-4943-1>
 IF (2017): 5.172
29. Adamova, D.; ...; Antičić, Tome; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Jerčić, Marko; ...; Lončar, P.; ...; Mudnić, Eugen; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Simatović, Goran; ...; Utrobičić, Antonija; ...; Vicković, Linda; ...; Zmeskal, J. (ALICE Collaboration)
 Azimuthally Differential Pion Femtoscopy in Pb-Pb Collisions at $\sqrt{s_{NN}}=2.76$ TeV
PHYSICAL REVIEW LETTERS. **118** (22), 222301 (2017)
 DOI: <http://dx.doi.org/10.1103/PhysRevLett.118.222301>
 IF (2017): 8.839
30. Adare, A.; ...; Makek, Mihael; ...; Zou, L. (PHENIX Collaboration)
 Measurements of e(+)e(-) pairs from open heavy flavor in p + p and d + A collisions at $\sqrt{s_{NN}}=200$ GeV
PHYSICAL REVIEW C. **96** (2), 24907 (2017)
 DOI: <http://dx.doi.org/10.1103/PhysRevC.96.024907>
 IF (2017): 3.304
31. Adare, A.; ...; Makek, Mihael; ...; Vukman, Nikola; ...; Zou, L. (PHENIX Collaboration)
 Angular decay coefficients of J/psi mesons at forward rapidity from p + p collisions at $\sqrt{s}=510$ GeV
PHYSICAL REVIEW D. **95** (9), 92003 (2017)
 DOI: <http://dx.doi.org/10.1103/PhysRevD.95.092003>
 IF (2017): 4.394

32. Adare, A.; ...; Makek, Mihael; ...; Vukman, Nikola; ...; Zou, L. (PHENIX Collaboration)
 Nonperturbative-transverse-momentum effects and evolution in dihadron and direct photon-hadron angular correlations in p + p collisions at $\sqrt{s}=510$ GeV
PHYSICAL REVIEW D. **95** (7), 72002 (2017)
 DOI: <http://dx.doi.org/10.1103/PhysRevD.95.072002>
 IF (2017): 4.394
33. Adare, A.; ...; Makek, Mihael; ...; Vukman, Nikola; ...; Zou, L. (PHENIX Collaboration)
 Measurement of the relative yields of $\psi(2S)$ to $\psi(1S)$ mesons produced at forward and backward rapidity in p + p, p + Al, p + Au, and 3He +Au collisions at $\sqrt{s_{NN}} = 200$ GeV
PHYSICAL REVIEW C. **95** (3), 34904-10 (2017)
 DOI: <http://dx.doi.org/10.1103/PhysRevC.95.034904>
 IF (2017): 3.304
34. Aidala, C.; ...; Makek, Mihael; ...; Zou, L. (PHENIX Collaboration)
 Measurements of azimuthal anisotropy and charged-particle multiplicity in d + Au collisions at $\sqrt{s_{NN}}=200, 62.4, 39$, and 19.6 GeV
PHYSICAL REVIEW C. **96** (6), 64905 (2017)
 DOI: <http://dx.doi.org/10.1103/PhysRevC.96.064905>
 IF (2017): 3.304
35. Aidala, C.; ...; Makek, Mihael; ...; Vukman, Nikola; ...; Zou, L. (PHENIX Collaboration)
 B-meson production at forward and backward rapidity in p+p and Cu + Au collisions at $\sqrt{s_{NN}}=200$ GeV
PHYSICAL REVIEW C. **96** (6), 64901 (2017)
 DOI: <http://dx.doi.org/10.1103/PhysRevC.96.064901>
 IF (2017): 3.304
36. Aidala, C.; ...; Makek, Mihael; ...; Zou, L. (PHENIX Collaboration)
 Cross section and transverse single-spin asymmetry of muons from open heavy-flavor decays in polarized p + p collisions at $\sqrt{s} = 200$ GeV
PHYSICAL REVIEW D. **95** (11), 112001 (2017)
 DOI: <http://dx.doi.org/10.1103/PhysRevD.95.112001>
 IF (2017): 4.394
37. Aidala, C.; ...; Makek, Mihael; ...; Zou, L. (PHENIX Collaboration)
 Measurements of $B \rightarrow J/\psi$ at forward rapidity in p+p collisions at $\sqrt{s}=510$ GeV
PHYSICAL REVIEW D. **95** (9), 92002 (2017)
 DOI: <http://dx.doi.org/10.1103/PhysRevD.95.092002>
 IF (2017): 4.394
38. Aidala, C.; ...; Makek, Mihael; ...; Vukman, Nikola; ...; Zou, L. (PHENIX Collaboration)
 Measurement of long-range angular correlations and azimuthal anisotropies in high-multiplicity p + Au collisions at $\sqrt{s_{NN}} = 200$ GeV
PHYSICAL REVIEW C. **95** (3), 34910 (2017)
 DOI: <http://dx.doi.org/10.1103/PhysRevC.95.034910>
 IF (2017): 3.304

39. Antipin, Oleg; Čuljak, Petar; Kumerički, Krešimir; Picek, Ivica
Extended Higgs sectors in radiative neutrino models
PHYSICS LETTERS B. **768**, 330-336 (2017)
DOI: <http://dx.doi.org/10.1016/j.physletb.2017.03.013>
IF (2017): 4.254
40. Babić, E.; Galić, S.; Jerčinović, M.; Kušević, I.; Novosel, N.; Pajić, D.; Zadro, K.
Vortex Pinning in Nanostructured Novel Superconductors
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM. **30** (3), 743-747 (2017)
DOI: <http://dx.doi.org/10.1007/s10948-016-3649-1>
IF (2017): 1.142
41. Baćani, Mirko; Novak, Mario; Orbanić, Filip; Prša, Krunoslav; Kokanović, Ivan; Babić, Dinko
Interplay of long-range and short-range Coulomb interactions in an Anderson-Mott insulator
PHYSICAL REVIEW B. **96** (3), 35104 (2017)
DOI: <http://dx.doi.org/10.1103/PhysRevB.96.035104>
IF (2017): 3.813
42. Barišić, I.; Faisst, A. L.; Capak, P. L.; Pavesi, R.; Riechers, D. A.; Scoville, N. Z.; Cooke, K.;
Kartaltepe, J. S.; Casey, C. M.; Smolčić, V.
Dust Properties of CII Detected $z \sim 5.5$ Galaxies: New HST/WFC3 Near-IR Observations
ASTROPHYSICAL JOURNAL. **845** (1), 41 (2017)
DOI: <http://dx.doi.org/10.3847/1538-4357/aa7eda>
IF (2017): 5.551
43. Barišić, Ivana; van der Wel, Arjen; Bezanson, Rachel; Pacifici, Camilla; Noeske, Kai; Munoz-Mateos, Juan C.; Franx, Marijn; Smolčić, Vernesa; Bell, Eric F.; Brammer, Gabriel; Calhau, Joao; Chauke, Priscilla; van Dokkum, Pieter G.; van Hout, Joshua; Gallazzi, Anna; Labbe, Ivo; Maseda, Michael V.; Muzzin, Adam; Sobral, David; Straatman, Caroline; Wu, Po-Feng
Stellar Dynamics and Star Formation Histories of $z \sim 1$ Radio-loud Galaxies
ASTROPHYSICAL JOURNAL. **847** (1), 72 (2017)
DOI: <http://dx.doi.org/10.3847/1538-4357/aa8768>
IF (2017): 5.551
44. Barjašić, Irena; Gulin, Luka; Smolić, Ivica
Nonlinear electromagnetic fields and symmetries
PHYSICAL REVIEW D. **95** (12), 124037 (2017)
DOI: <http://dx.doi.org/10.1103/PhysRevD.95.124037>
IF (2017): 4.394

45. Baumann, D.; Ding, M.; Friščić, I.; Boehm, R.; Bosnar, D.; Distler, M. O.; Merkel, H.; Mueller, U.; Walcher, Th.; Wendel, M.
 A short-orbit spectrometer for low-energy pion detection in electroproduction experiments at MAMI
 NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. **874**, 79-87 (2017)
 DOI: <http://dx.doi.org/10.1016/j.nima.2017.08.052>
 IF (2017): 1.336
46. Benić, Sanjin; Fukushima, Kenji
 Photon from the annihilation process with CGC in the pA collision
 NUCLEAR PHYSICS A. **958**, 1-24 (2017)
 DOI: <http://dx.doi.org/10.1016/j.nuclphysa.2016.11.003>
 IF (2017): 1.992
47. Benić, Sanjin; Fukushima, Kenji; Garcia-Montero, Oscar; Venugopalan, Raju
 Probing gluon saturation with next-to-leading order photon production at central rapidities in proton-nucleus collisions
 JOURNAL OF HIGH ENERGY PHYSICS. **2017** (1), 115 (2017)
 DOI: [http://dx.doi.org/10.1007/JHEP01\(2017\)115](http://dx.doi.org/10.1007/JHEP01(2017)115)
 IF (2017): 5.541
48. Bilalbegović, G.; Maksimović, A.; Mohaček-Grošev, V.
 Missing Fe: hydrogenated iron nanoparticles
 MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY. **466** (1), L14-L18 (2017)
 DOI: <http://dx.doi.org/10.1093/mnrasl/slw226>
 IF (2017): 5.194
49. Biljaković, Katica; Remenyi, Gyorgy; Figueroa, Ignacio A.; Ristic, Ramir; Pajić, Damir; Kuršumović, Ahmed; Starešnić, Damir; Zadro, Krešo; Babić, Emil
 Electronic structure and properties of (TiZrNbCu)(1-x)Ni-x high entropy amorphous alloys
 JOURNAL OF ALLOYS AND COMPOUNDS. **695**, 2661-2668 (2017)
 DOI: <http://dx.doi.org/10.1016/j.jallcom.2016.11.179>
 IF (2017): 3.779
50. Blinder, Remi; Dupont, Maxime; Mukhopadhyay, Sutirtha; Grbić, Mihael S.; Laflorencie, Nicolas; Capponi, Sylvain; Mayaffre, Hadrien; Berthier, Claude; Paduan-Filho, Armando; Horvatić, Mladen
 Nuclear magnetic resonance study of the magnetic-field-induced ordered phase in the NiCl₂-4SC(NH₂)₂ compound
 PHYSICAL REVIEW B. **95** (2), 20404 (2017)
 DOI: <http://dx.doi.org/10.1103/PhysRevB.95.020404>
 IF (2017): 3.813

51. Bonato, Matteo; Negrello, Mattia; Mancuso, Claudia; De Zotti, Gianfranco; Ciliegi, Paolo; Cai, Zhen-Yi; Lapi, Andrea; Massardi, Marcella; Bonaldi, Anna; Sajina, Anna; Smolčić, Vernesa; Schinnerer, Eva
 Does the evolution of the radio luminosity function of star-forming galaxies match that of the star formation rate function?
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY. **469** (2), 1912-1923 (2017)
 DOI: <http://dx.doi.org/10.1093/mnras/stx974>
 IF (2017): 5.194
52. Bonora, L.; Cvitan, M.; Prester, P. Dominis; Duarte Pereira, A.; Giaccari, S.; Stemberga, T.
 Axial gravity, massless fermions and trace anomalies
EUROPEAN PHYSICAL JOURNAL C. **77** (8), 511 (2017)
 DOI: <http://dx.doi.org/10.1140/epjc/s10052-017-5071-7>
 IF (2017): 5.172
53. Bosiočić, M.; Bert, F.; Dutton, S. E.; Cava, R. J.; Baker, P. J.; Požek, M.; Mendels, P.
 Possible quadrupolar nematic phase in the frustrated spin chain LiCuSbO₄: An NMR investigation
PHYSICAL REVIEW B. **96** (22), 224424 (2017)
 DOI: <http://dx.doi.org/10.1103/PhysRevB.96.224424>
 IF (2017): 3.813
54. Bosnar, Sanja; Vrankić, Martina; Bosnar, Damir; Ren, Nan; Šarić, Ankica
 Positron annihilation lifetime spectroscopy (PALS) study of the as prepared and calcined MFI zeolites
JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS. **110**, 227-233 (2017)
 DOI: <http://dx.doi.org/10.1016/j.jpcs.2017.06.016>
 IF (2017): 2.207
55. Brisbin, Drew; Miettinen, Oskari; Aravena, Manuel; Smolčić, Vernesa; Delvecchio, Ivan; Jiang, Chunyan; Magnelli, Benjamin; Albrecht, Marcus; Munoz Arancibia, Alejandra; Aussel, Herve; Baran, Nikola; Bertoldi, Frank; Bethermin, Matthieu; Capak, Peter; Casey, Caitlin M.; Civano, Francesca; Hayward, Christopher C.; Ilbert, Olivier; Karim, Alexander; Le Fevre, Olivier; Marchesi, Stefano; McCracken, Henry Joy; Navarrete, Felipe; Novak, Mladen; Riechers, Dominik; Padilla, Nelson; Salvato, Mara; Scott, Kimberly; Schinnerer, Eva; Sheth, Kartik; Tasca, Lidia
 An ALMA survey of submillimeter galaxies in the COSMOS field: Multiwavelength counterparts and redshift distribution
ASTRONOMY & ASTROPHYSICS. **608**, A15 (2017)
 DOI: <http://dx.doi.org/10.1051/0004-6361/201730558>
 IF (2017): 5.565
56. Bubić, Andreja; Sušac, Ana; Palmović, Marijan
 Observing Individuals Viewing Art: The Effects of Titles on Viewers' Eye-Movement Profiles
EMPIRICAL STUDIES OF THE ARTS. **35** (2), 194-213 (2017)
 DOI: <http://dx.doi.org/10.1177/0276237416683499>
 IF (2017): 0.600

57. Ceci, S.; Hadžimehmedović, M.; Osmanović, H.; Percan, A.; Zauner, B.
 Fundamental properties of resonances
SCIENTIFIC REPORTS. **7**, 45246 (2017)
 DOI: <http://dx.doi.org/10.1038/srep45246>
 IF (2017): 4.122
58. Colovic, P.; Szilner, S.; Corradi, L.; Mijatović, T.; Pollarolo, G.; Goasduff, A.; Montanari, D.; Chapman, R.; Fioretto, E.; Gadea, A.; Haas, F.; Malenica, D.; Jelavić, Marginean, N.; Mengoni, D.; Milin, M.; Montagnoli, G.; Scarlassara, F.; Smith, J. F.; Soic, N.; Stefanini, A. M.; Ur, C. A.; Valiente-Dobon, J. J.
 Stretched configuration of states as inferred from gamma-ray angular distributions in Ar-40+Pb-208 neutron transfer reactions
EUROPEAN PHYSICAL JOURNAL A. **53** (8), 166 (2017)
 DOI: <http://dx.doi.org/10.1140/epja/i2017-12358-6>
 IF (2017): 2.799
59. Contursi, A.; Baker, A. J.; Berta, S.; Magnelli, B.; Lutz, D.; Fischer, J.; Verma, A.; Nielbock, M.; Carpio, J. Gracia; Veilleux, S.; Sturm, E.; Davies, R.; Genzel, R.; Hailey-Dunsheath, S.; Herrera-Camus, R.; Janssen, A.; Poglitsch, A.; Sternberg, A.; Tacconi, L. J.
 Interstellar medium conditions in z similar to 0.2 Lyman-break analogs
ASTRONOMY & ASTROPHYSICS. **606**, A86 (2017)
 DOI: <http://dx.doi.org/10.1051/0004-6361/201730609>
 IF (2017): 5.565
60. Čulo, M.; Basletić, M.; Tafra, E.; Hamzić, A.; Tomic, S.; Fischgrabe, F.; Moshnyaga, V.; Korin-Hamzić, B.
 Magnetotransport properties of La_{1-x}CaxMnO₃ (0.52 <= x <= 0.75): Signature of phase coexistence
THIN SOLID FILMS. **631**, 205-212 (2017)
 DOI: <http://dx.doi.org/10.1016/j.tsf.2017.04.027>
 IF (2017): 1.939
61. Curceanu, C.; Amirkhani, A.; Bazzi, M.; Bellotti, G.; Berucci, C.; Bosnar, D.; Bragadireanu, A. M.; Cagnelli, M.; Butt, A. Dawood; Del Grande, R.; Fabbietti, L.; Fiorini, C.; Ghio, F.; Guaraldo, C.; Hayano, R. S.; Iliescu, M.; Iwasaki, M.; Sandri, P.; Levi; Marton, J.; Miliucci, M.; Moskal, P.; Pietreanu, D.; Piscicchia, K.; Scordo, A.; Shi, H.; Silarski, M.; Sirghi, D.; Sirghi, F.; Skurzok, M.; Tatsuno, H.; Doce, O. Vazquez; Widmann, E.; Zmeskal, J.
 Low-energy Kaon-Nuclei Interaction Studies at DA Phi NE: SIDDHARTA-2 and AMADEUS
ACTA PHYSICA POLONICA B. **48** (10), 1855-1860 (2017)
 DOI: <http://dx.doi.org/10.5506/APhysPolB.48.1855>
 IF (2017): 0.875

62. Daddi, E.; Jin, S.; Strazzullo, V.; Sargent, M. T.; Wang, T.; Ferrari, C.; Schinnerer, E.; Smolčić, V.; Calabro, A.; Coogan, R.; Delhaize, J.; Delvecchio, I.; Elbaz, D.; Gobat, R.; Gu, Q.; Liu, D.; Novak, M.; Valentino, F.
 Radio Selection of the Most Distant Galaxy Clusters
ASTROPHYSICAL JOURNAL LETTERS. **846** (2), L31 (2017)
 DOI: <http://dx.doi.org/10.3847/2041-8213/aa8808>
 IF (2017): 5.551
63. Daniel, T.; Kisoyev, S.; Regan, P. H.; Marginean, N.; Podolyak, Zs.; Marginean, R.; Nomura, K.; Rudigier, M.; Mihai, R.; Werner, V.; Carroll, R. J.; Gurgi, L. A.; Oprea, A.; Berry, T.; Serban, A.; Nita, C. R.; Sotty, C.; Suvaila, R.; Turturica, A.; Costache, C.; Stan, L.; Olacel, A.; Boromiza, M.; Toma, S.
 Gamma-ray spectroscopy of low-lying excited states and shape competition in Os-194
PHYSICAL REVIEW C. **95** (2), 24328 (2017)
 DOI: <http://dx.doi.org/10.1103/PhysRevC.95.024328>
 IF (2017): 3.304
64. Davidzon, I.; Ilbert, O.; Laigle, C.; Coupon, J.; McCracken, H. J.; Delvecchio, I.; Masters, D.; Capak, P.; Hsieh, B. C.; Le Fevre, O.; Tresse, L.; Bethermin, M.; Chang, Y. -Y.; Faisst, A. L.; Le Floc'h, E.; Steinhardt, C.; Toft, S.; Aussel, H.; Dubois, C.; Hasinger, G.; Salvato, M.; Sanders, D. B.; Scoville, N.; Silverman, J. D.
 The COSMOS2015 galaxy stellar mass function Thirteen billion years of stellar mass assembly in ten snapshots
ASTRONOMY & ASTROPHYSICS. **605**, A70 (2017)
 DOI: <http://dx.doi.org/10.1051/0004-6361/201730419>
 IF (2017): 5.565
65. Delhaize, J.; Smolčić, V.; Delvecchio, I.; Novak, M.; Sargent, M.; Baran, N.; Magnelli, B.; Zamorani, G.; Schinnerer, E.; Murphy, E. J.; Aravena, M.; Berta, S.; Bondi, M.; Capak, P.; Carilli, C.; Ciliegi, P.; Civano, F.; Ilbert, O.; Karim, A.; Laigle, C.; Le Fevre, O.; Marchesi, S.; McCracken, H. J.; Salvato, M.; Seymour, N.; Tasca, L.
 The VLA-COSMOS 3 GHz Large Project: The infrared-radio correlation of star-forming galaxies and AGN to $z \lesssim 6$
ASTRONOMY & ASTROPHYSICS. **602**, A4 (2017)
 DOI: <http://dx.doi.org/10.1051/0004-6361/201629430>
 IF (2017): 5.565
66. Delvecchio, I.; Smolčić, V.; Zamorani, G.; Lagos, C. Del P.; Berta, S.; Delhaize, J.; Baran, N.; Alexander, D. M.; Rosario, D. J.; Gonzalez-Perez, V.; Ilbert, O.; Lacey, C. G.; Le Fevre, O.; Miettinen, O.; Aravena, M.; Bondi, M.; Carilli, C.; Ciliegi, P.; Mooley, K.; Novak, M.; Schinnerer, E.; Capak, P.; Civano, F.; Fanidakis, N.; Ruiz, N. Herrera; Karim, A.; Laigle, C.; Marchesi, S.; McCracken, H. J.; Middleberg, E.; Salvato, M.; Tasca, L.
 The VLA-COSMOS 3 GHz Large Project: AGN and host-galaxy properties out to $z \lesssim 6$
ASTRONOMY & ASTROPHYSICS. **602**, A3 (2017)
 DOI: <http://dx.doi.org/10.1051/0004-6361/201629367>
 IF (2017): 5.565

67. Despoja, Vito; Djordjevic, Tijana; Karbunar, Lazar; Radović, Ivan; Mišković, Zoran L.
 Ab initio study of the electron energy loss function in a graphene-sapphire-graphene composite system
PHYSICAL REVIEW B. **96** (7), 75433 (2017)
 DOI: <http://dx.doi.org/10.1103/PhysRevB.96.075433>
 IF (2017): 3.813
68. Dubraja, Lidija Andros; Jurić, Marijana; Torić, Filip; Pajić, Damir
 The influence of metal centres on the exchange interaction in heterometallic complexes with oxalate-bridged cations
DALTON TRANSACTIONS. **46** (35), 11748-11756 (2017)
 DOI: <http://dx.doi.org/10.1039/c7dt02522j>
 IF (2017): 4.099
69. Ebran, J-P; Khan, E.; Nikšić, T.; Vretenar, D.
 Localization and clustering in atomic nuclei
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. **44** (10), 103001 (2017)
 DOI: <http://dx.doi.org/10.1088/1361-6471/aa809b>
 IF (2017): 3.456
70. Fetić, Amra Salčinović; Remenyi, Georgy; Starešnić, Damir; Kuršumović, Ahmed; Babić, Emil; Sulejmanović, Suada; Biljaković, Katica
 Analysis of the fragility of the Zr₇₇Ni₂₃ metallic glass based on low-temperature heat capacity measurements
PHYSICAL REVIEW B. **96** (6), 64201 (2017)
 DOI: <http://dx.doi.org/10.1103/PhysRevB.96.064201>
 IF (2017): 3.813
71. Friščić, I.; Achenbach, P.; Gayoso, C. Ayerbe; Baumann, D.; Boehm, R.; Bosnar, D.; Debenjak, L.; Denig, A.; Ding, M.; Distler, M. O.; Esser, A.; Merkel, H.; Middleton, D. G.; Mihovilović, M.; Mueller, U.; Pochodzalla, J.; Schlimme, B. S.; Schoth, M.; Schulz, F.; Sfienti, C.; Sirca, S.; Thiel, M.; Walcher, Th.
 Measurement of the p(e,e'π⁺)n reaction close to threshold and at low Q²
PHYSICS LETTERS B. **766**, 301-305 (2017)
 DOI: <http://dx.doi.org/10.1016/j.physletb.2017.01.033>
 IF (2017): 4.254
72. Fudamoto, Y.; Oesch, P. A.; Schinnerer, E.; Groves, B.; Karim, A.; Magnelli, B.; Sargent, M. T.; Cassata, P.; Lang, P.; Liu, D.; Le Fevre, O.; Leslie, S.; Smolčić, V.; Tasca, L.
 The dust attenuation of star-forming galaxies at z similar to 3 and beyond: New insights from ALMA observations
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY. **472** (1), 483-490 (2017)
 DOI: <http://dx.doi.org/10.1093/mnras/stx1948>
 IF (2017): 5.194

73. Galtarossa, F.; Corradi, L.; Fioretto, E.; Montanari, D.; Szilner, S.; Mijatović, T.; Pollarolo, G.; Ackermann, D.; Bourgin, D.; Courtin, S.; Goasduff, A.; Grebosz, J.; Haas, F.; Jia, H. M.; Jelavić-Malenica, D.; Jeong, S.; John, P. R.; Milin, M.; Montagnoli, G.; Scarlassara, F.; Skukan, N.; Soic, N.; Stefanini, A. M.; Strano, E.; Tokić, V.; Ur, C. A.; Valiente-Dobon, J. J.; Watanabe, Y. Neutron-rich nuclei populated in multi-nucleon transfer reactions: The Au-197+Te-130 system *ACTA PHYSICA POLONICA B.* **48** (3), 609-614 (2017)
DOI: <http://dx.doi.org/10.5506/APhysPolB.48.609>
IF (2017): 0.875
74. Giaccari, Stefano; Nian, Jun
Dark solitons, D-branes and noncommutative tachyon field theory
INTERNATIONAL JOURNAL OF MODERN PHYSICS A. **32** (33), 1750201 (2017)
DOI: <http://dx.doi.org/10.1142/S0217751X17502013>
IF (2017): 1.291
75. Giaccari, Stefano; Modesto, Leonardo
Nonlocal supergravity
PHYSICAL REVIEW D. **96** (6), 66021 (2017)
DOI: <http://dx.doi.org/10.1103/PhysRevD.96.066021>
IF (2017): 4.394
76. Golubić, Sanja Josef; Aine, Cheryl J.; Stephen, Julia M.; Adair, John C.; Knoefel, Janice E.; Supek, Selma
MEG Biomarker of Alzheimer's Disease: Absence of a Prefrontal Generator during Auditory Sensory Gating
HUMAN BRAIN MAPPING. **38** (10), 5180-5194 (2017)
DOI: <http://dx.doi.org/10.1002/hbm.23724>
IF (2017): 4.927
77. Graf, Lukas; Malinsky, Michal; Mede, Timon; Susic, Vasja
One-loop pseudo-Goldstone masses in the minimal SO(10) Higgs model
PHYSICAL REVIEW D. **95** (7), 75007 (2017)
DOI: <http://dx.doi.org/10.1103/PhysRevD.95.075007>
IF (2017): 4.394
78. Hashimoto, T.; Bazzi, M.; Bennett, D. A.; Berucci, C.; Bosnar, D.; Curceanu, C.; Doriese, W. B.; Fowler, J. W.; Fujioka, H.; Guaraldo, C.; Gustafsson, F. Parnefjord; Hayakawa, R.; Hayano, R. S.; Hays-Wehle, J. P.; Hilton, G. C.; Hiraiwa, T.; Ichinohe, Y.; Iio, M.; Iliescu, M.; Ishimoto, S.; Ishisaki, Y.; Itahashi, K.; Iwasaki, M.; Ma, Y.; Noda, H.; Noumi, H.; O'Neil, G. C.; Ohnishi, H.; Okada, S.; Outa, H.; Piscicchia, K.; Reintsema, C. D.; Sada, Y.; Sakuma, F.; Sato, M.; Schmidt, D. R.; Scordo, A.; Sekimoto, M.; Shi, H.; Sirghi, D.; Sirghi, F.; Suzuki, K.; Swetz, D. S.; Tanida, K.; Tatsuno, H.; Tokuda, M.; Uhlig, J.; Ullom, J. N.; Yamada, S.; Yamazaki, T.; Zmeskal, J.
Beamline Test of a Transition-Edge-Sensor Spectrometer in Preparation for Kaonic-Atom Measurements
IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY. **27** (4), 2100905 (2017)
DOI: <http://dx.doi.org/10.1109/TASC.2016.2646374>
IF (2017): 1.288

79. Ilic, Ognjen; Kaminer, Ido; Zhen, Bo; Miller, Owen D.; Buljan, Hrvoje; Soljačić, Marin
Topologically enabled optical nanomotors
SCIENCE ADVANCES. **3** (6), e1602738 (2017)
DOI: <http://dx.doi.org/10.1126/sciadv.1602738>
IF (2017): 11.511
80. Ivec, Tomislav; Čulo, Matija; Kuveždić, Marko; Tutis, Eduard; Basletić, Mario; Mihaljević, Branimir; Tafra, Emil; Tomic, Silvia; Loehle, Anja; Dressel, Martin; Schweitzer, Dieter; Korin-Hamzić, Bojana
Semimetallic and charge-ordered alpha-(BEDT-TTF)(2)I-3: On the role of disorder in dc transport and dielectric properties
PHYSICAL REVIEW B. **96** (7), 75141 (2017)
DOI: <http://dx.doi.org/10.1103/PhysRevB.96.075141>
IF (2017): 3.813
81. Jeličić, Katarina; Planinić, Maja; Planinsic, Gorazd
Analyzing high school students' reasoning about electromagnetic induction
PHYSICAL REVIEW PHYSICS EDUCATION RESEARCH. **13** (1), UNSP 010112 (2017)
DOI: <http://dx.doi.org/10.1103/PhysRevPhysEducRes.13.010112>
IF (2017): 1.420
82. Jurić, Marijana; Dubraja, Lidija Andros; Pajić, Damir; Torić, Filip; Zorko, Andrej; Ozarowski, Andrew; Despoja, Vito; Lafargue-Dit-Hauret, William; Rocquefelte, Xavier
Experimental and Theoretical Investigation of the Anti Ferromagnetic Coupling of Cr-III Ions through Diamagnetic -O-Nb-V-O- Bridges
INORGANIC CHEMISTRY. **56** (12), 6879-6889 (2017)
DOI: <http://dx.doi.org/10.1021/acs.inorgchem.7b00181>
IF (2017): 4.700
83. Kupčić, I.
Intraband memory function and memory-function conductivity formula in doped graphene
PHYSICAL REVIEW B. **95** (3), 35403 (2017)
DOI: <http://dx.doi.org/10.1103/PhysRevB.95.035403>
IF (2017): 3.813
84. Kupčić, Ivan; Jedovnicki, Ivan
Memory-function conductivity formula and transport coefficients in underdoped cuprates
EUROPEAN PHYSICAL JOURNAL B. **90** (4), 63 (2017)
DOI: <http://dx.doi.org/10.1140/epjb/e2017-70737-0>
IF (2017): 1.536

85. Lanzuisi, G.; Delvecchio, I.; Berta, S.; Brusa, M.; Comastri, A.; Gilli, R.; Gruppioni, C.; Marchesi, S.; Perna, M.; Pozzi, F.; Salvato, M.; Symeonidis, M.; Vignali, C.; Vito, F.; Volonteri, M.; Zamorani, G.
 Active galactic nuclei vs. host galaxy properties in the COSMOS field
ASTRONOMY & ASTROPHYSICS. **602**, A123 (2017)
 DOI: <http://dx.doi.org/10.1051/0004-6361/201629955>
 IF (2017): 5.565
86. Lin, Xiao; Kaminer, Ido; Shi, Xihang; Gao, Fei; Yang, Zhaoju; Gao, Zhen; Buljan, Hrvoje; Joannopoulos, John D.; Soljačić, Marin; Chen, Hongsheng; Zhang, Baile
 Splashing transients of 2D plasmons launched by swift electrons
SCIENCE ADVANCES. **3** (1), e1601192 (2017)
 DOI: <http://dx.doi.org/10.1126/sciadv.1601192>
 IF (2017): 11.511
87. Lohle, A.; Rose, E.; Singh, S.; Beyer, R.; Tafra, E.; Ivetk, T.; Zhilyaeva, E. I.; Lyubovskaya, R. N.; Dressel, M.
 Pressure dependence of the metal-insulator transition in kappa-(BEDT-TTF)(2)Hg(SCN)(2)Cl: optical and transport studies
JOURNAL OF PHYSICS-CONDENSED MATTER. **29** (5), 55601 (2017)
 DOI: <http://dx.doi.org/10.1088/1361-648X/29/5/055601>
 IF (2017): 2.617
88. Lončarek, Ivana; Tonejc, Andelka M.; Skoko, Željko; Novosel, Nikolina; Mustapić, Mislav
 Microstructural Features of Magnetic NiCoB Nanoparticles Addition to MgB₂ Precursor Powders
CROATICA CHEMICA ACTA. **90** (1), 37-51 (2017)
 DOI: <http://dx.doi.org/10.5562/cca2985>
 IF (2017): 0.705
89. Lončaric, Ivor; Popović, Jasminka; Despoja, Vito; Burazer, Sanja; Grgičević, Ivan; Popović, Dean; Skoko, Željko
 Reversible Thermosalient Effect of N'-2-Propylidene-4-hydroxybenzohydrazide Accompanied by an Immense Negative Compressibility: Structural and Theoretical Arguments Aiming toward the Elucidation of Jumping Phenomenon
CRYSTAL GROWTH & DESIGN. **17** (8), 4445-4453 (2017)
 DOI: <http://dx.doi.org/10.1021/acs.cgd.7b00785>
 IF (2017): 3.972
90. Makek, M.; Bosnar, D.; Gacic, V.; Pavelic, L.; Senjug, P.; Žugec, P.
 Performance of scintillation pixel detectors with MPPC read-out and digital signal processing
ACTA PHYSICA POLONICA B. **48** (10), 1721-1726 (2017)
 DOI: <http://dx.doi.org/10.5506/APhysPolB.48.1721>
 IF (2017): 0.875

91. Marketin, Tomislav; Sieverding, Andre; Wu, Meng-Ru; Paar, Nils; Martinez-Pinedo, Gabriel
Microscopic calculations of beta-decay rates for r-process
ACTA PHYSICA POLONICA B. **48** (3), 641-650 (2017)
DOI: <http://dx.doi.org/10.5506/APhysPolB.48.641>
IF (2017): 0.875
92. Martinjak, I.; Vrsaljko, I.
On polynomial identities for recursive sequences
MISKOLC MATHEMATICAL NOTES. **18** (1), 327-336 (2017)
DOI: <http://dx.doi.org/10.18514/MMN.2017.1776>
IF (2017): 0.585
93. Martinjak, Ivica
Algebraic properties of the canonical incidence matrix of a biplane
DISCRETE MATHEMATICS. **340** (12), 2807-2812 (2017)
DOI: <http://dx.doi.org/10.1016/j.disc.2017.08.010>
IF (2017): 0.738
94. Martinjak, Ivica
Two infinite families of terminating binomial sums
PERIODICA MATHEMATICA HUNGARICA. **75** (2), 244-254 (2017)
DOI: <http://dx.doi.org/10.1007/s10998-017-0190-3>
IF (2017): 0.610
95. Marušić, L.; Despoja, V.
Prediction of measurable two-dimensional plasmons in Li-intercalated graphene LiC₂
PHYSICAL REVIEW B. **95** (20), 201408 (2017)
DOI: <http://dx.doi.org/10.1103/PhysRevB.95.201408>
IF (2017): 3.813

96. Massimi, C.; Altstadt, S.; Andrzejewski, J.; Audouin, L.; Barbagallo, M.; Becares, V.; Becvar, F.; Belloni, F.; Berthoumieux, E.; Billowes, J.; Bisterzok, S.; Bosnar, D.; Brugger, M.; Calviani, M.; Calvino, F.; Cano-Ott, D.; Carrapico, C.; Castelluccio, D. M.; Cerutti, F.; Chiaveri, E.; Cosentino, L.; Chin, M.; Clai, G.; Colonna, N.; Cortes, G.; Cortes-Giraldo, M. A.; Cristallo, S.; Diakaki, M.; Domingo-Pardo, C.; Duran, I.; Dressler, R.; Eleftheriadis, C.; Ferrari, A.; Finocchiaro, P.; Fraval, K.; Ganesan, S.; Garcia, A. R.; Giubrone, G.; Goncalves, I. F.; Gonzalez-Romero, E.; Griesmayer, E.; Guerrero, C.; Gunsing, F.; Hernandez-Prieton, A.; Jenkins, D. G.; Jericha, E.; Kadi, Y.; Kaeppler, F.; Karadimos, D.; Kivel, N.; Koehler, P.; Kokkoris, M.; Kopecky, S.; Krticka, M.; Kroll, J.; Lampoudis, C.; Langer, C.; Leal-Cidoncha, E.; Lederer, C.; Leeb, H.; Leong, L. S.; Lo Meo, S.; Losito, R.; Mallick, A.; Manousos, A.; Marganiec, J.; Martinez, T.; Mastinu, P. F.; Mastromarco, M.; Mendoza, E.; Mengoni, A.; Milazzo, P. M.; Mingrone, F.; Mirea, M.; Mondelaers, W.; Musumarra, A.; Paradela, C.; Pavlik, A.; Perkowski, J.; Pignatari, M.; Piersanti, L.; Plompen, A.; Praena, J.; Quesada, J. M.; Rauscher, T.; Reifarth, R.; Riego, A.; Robles, M. S.; Rubbia, C.; Sabate-Gilarte, M.; Sarmento, R.; Saxena, A.; Schillebeeckx, P.; Schmidt, S.; Schumann, D.; Tagliente, G.; Tain, J. L.; Tarrio, D.; Tassan-Got, L.; Tsinganis, A.; Valenta, S.; Vannini, G.; Van Rijs, I.; Variale, V.; Vaz, P.; Ventura, A.; Vermeulen, M. J.; Vlachoudis, V.; Vlastou, R.; Wallner, A.; Ware, T.; Weigand, M.; Weiss, C.; Wynants, R.; Wright, T.; Žugec, P.
 Neutron spectroscopy of Mg-26 states: Constraining the stellar neutron source Ne-22(alpha, n)Mg-25
PHYSICS LETTERS B. **768**, 1-6 (2017)
 DOI: <http://dx.doi.org/10.1016/j.physletb.2017.02.025>
 IF (2017): 4.254
97. Miettinen, O.; Delvecchio, I.; Smolčić, V.; Aravena, M.; Brisbin, D.; Karim, A.; Magnelli, B.; Novak, M.; Schinnerer, E.; Albrecht, M.; Aussel, H.; Bertoldi, F.; Capak, P. L.; Casey, C. M.; Hayward, C. C.; Ilbert, O.; Intema, H. T.; Jiang, C.; Le Fevre, O.; McCracken, H. J.; Munoz Arancibia, A. M.; Navarrete, F.; Padilla, N. D.; Riechers, D. A.; Salvato, M.; Scott, K. S.; Sheth, K.; Tasca, L. A. M.
 An ALMA survey of submillimetre galaxies in the COSMOS field: Physical properties derived from energy balance spectral energy distribution modelling
ASTRONOMY & ASTROPHYSICS. **606**, A17 (2017)
 DOI: <http://dx.doi.org/10.1051/0004-6361/201730762>
 IF (2017): 5.565
98. Miettinen, O.; Delvecchio, I.; Smolčić, V.; Aravena, M.; Brisbin, D.; Karim, A.
 On the Kennicutt-Schmidt scaling law of submillimetre galaxies
ASTRONOMY & ASTROPHYSICS. **602**, L9 (2017)
 DOI: <http://dx.doi.org/10.1051/0004-6361/201731157>
 IF (2017): 5.565

99. Miettinen, O.; Novak, M.; Smolčić, V.; Delvecchio, I.; Aravena, M.; Brisbin, D.; Karim, A.; Murphy, E. J.; Schinnerer, E.; Albrecht, M.; Aussel, H.; Bertoldi, F.; Capak, P. L.; Casey, C. M.; Civano, F.; Hayward, C. C.; Ruiz, N. Herrera; Ilbert, O.; Jiang, C.; Laigle, C.; Le Fevre, O.; Magnelli, B.; Marchesi, S.; McCracken, H. J.; Middelberg, E.; Munoz Arancibia, A. M.; Navarrete, F.; Padilla, N. D.; Riechers, D. A.; Salvato, M.; Scott, K. S.; Sheth, K.; Tasca, L. A. M.; Bondi, M.; Zamorani, G.
 An ALMA survey of submillimetre galaxies in the COSMOS field: The extent of the radio-emitting region revealed by 3 GHz imaging with the Very Large Array
ASTRONOMY & ASTROPHYSICS. **602**, A54 (2017)
 DOI: <http://dx.doi.org/10.1051/0004-6361/201730443>
 IF (2017): 5.565
100. Miettinen, O.; Delvecchio, I.; Smolčić, V.; Novak, M.; Aravena, M.; Karim, A.; Murphy, E. J.; Schinnerer, E.; Capak, P.; Ilbert, O.; Intema, H. T.; Laigle, C.; McCracken, H. J.
 (Sub) millimetre interferometric imaging of a sample of COSMOS/AzTEC submillimetre galaxies IV. Physical properties derived from spectral energy distributions
ASTRONOMY & ASTROPHYSICS. **597**, A5 (2017)
 DOI: <http://dx.doi.org/10.1051/0004-6361/201628128>
 IF (2017): 5.565
101. Mihelj, Tea; Tomašić, Vlasta; Popović, Jasmina; Skoko, Željko
 Thermal behavior of novel catanionic cholates XRPD technique in solving problems
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY. **129** (2), 869-884 (2017)
 DOI: <http://dx.doi.org/10.1007/s10973-017-6193-8>
 IF (2017): 2.209
102. Mihovilović, M.; Weber, A. B.; Achenbach, P.; Beranek, T.; Bericic, J.; Bernauer, J. C.; Boehm, R.; Bosnar, D.; Cardinali, M.; Correa, L.; Debenjak, L.; Denig, A.; Distler, M. O.; Esser, A.; Bondy, M. I. Ferretti; Fonvieille, H.; Friedrich, J. M.; Friščić, I.; Griffioen, K.; Hoek, M.; Kegel, S.; Kohl, Y.; Merkel, H.; Middleton, D. G.; Mueller, U.; Nungesser, L.; Pochodzalla, J.; Rohrbeck, M.; Majos, S. Sanchez; Schlimme, B. S.; Schoth, M.; Schulz, F.; Sfienti, C.; Sirca, S.; Stajner, S.; Thiel, M.; Tyukin, A.; Vanderhaeghen, M.; Weinriefer, M.
 First measurement of proton's charge form factor at very low Q(2) with initial state radiation
PHYSICS LETTERS B. **771**, 194-198 (2017)
 DOI: <http://dx.doi.org/10.1016/j.physletb.2017.05.031>
 IF (2017): 4.254

103. Migrone, F.; Massimi, C.; Vannini, G.; Colonna, N.; Gunsing, F.; Žugec, P.; Altstadt, S.; Andrzejewski, J.; Audouin, L.; Barbagallo, M.; Becares, V.; Becvar, F.; Belloni, F.; Berthoumieux, E.; Billowes, J.; Bosnar, D.; Brugger, M.; Calviani, M.; Calvino, F.; Cano-Ott, D.; Carrapico, C.; Cerutti, F.; Chiaveri, E.; Chin, M.; Cortes, G.; Cortes-Giraldo, M. A.; Diakaki, M.; Domingo-Pardo, C.; Duran, I.; Dressler, R.; Eleftheriadis, C.; Ferrari, A.; Fraval, K.; Ganesan, S.; Garcia, A. R.; Giubrone, G.; Goncalves, I. F.; Gonzalez-Romero, E.; Griesmayer, E.; Guerrero, C.; Hernandez-Prieto, A.; Jenkins, D. G.; Jericha, E.; Kadi, Y.; Kaeppler, F.; Karadimos, D.; Kivel, N.; Koehler, P.; Kokkoris, M.; Krticka, M.; Kroll, J.; Lampoudis, C.; Langer, C.; Leal-Cidoncha, E.; Lederer, C.; Leeb, H.; Leong, L. S.; Lo Meo, S.; Losito, R.; Mallick, A.; Manousos, A.; Marganiec, J.; Martinez, T.; Mastinu, P. F.; Mastromarco, M.; Mendoza, E.; Mengoni, A.; Milazzo, P. M.; Mirea, M.; Mondalaers, W.; Paradela, C.; Pavlik, A.; Perkowski, J.; Plompen, A.; Praena, J.; Quesada, J. M.; Rauscher, T.; Reifarth, R.; Riego, A.; Robles, M. S.; Rubbia, C.; Sabate-Gilarte, M.; Sarmento, R.; Saxena, A.; Schillebeeckx, P.; Schmidt, S.; Schumann, D.; Tagliente, G.; Tain, J. L.; Tarrio, D.; Tassan-Got, L.; Tsinganis, A.; Valenta, S.; Variale, V.; Vaz, P.; Ventura, A.; Vermeulen, M. J.; Vlachoudis, V.; Vlastou, R.; Wallner, A.; Ware, T.; Weigand, M.; Weiss, C.; Wright, T. (n TOF Collaboration)
Neutron capture cross section measurement of U-238 at the CERN n_TOF facility in the energy region from 1 eV to 700 keV
PHYSICAL REVIEW C. 95 (3), 34604 (2017)
DOI: <http://dx.doi.org/10.1103/PhysRevC.95.034604>
IF (2017): 3.304
104. Nikšić, T.; Imbrisak, M.; Vretenar, D.
Sloppy nuclear energy density functionals. II. Finite nuclei
PHYSICAL REVIEW C. 95 (5), 054304a (2017)
DOI: <http://dx.doi.org/10.1103/PhysRevC.95.054304>
IF (2017): 3.304
105. Nomura, K.; Rodriguez-Guzman, R.; Robledo, L. M.
Shape transitions in odd-mass gamma-soft nuclei within the interacting boson-fermion model based on the Gogny energy density functional
PHYSICAL REVIEW C. 96 (6), 64316 (2017)
DOI: <http://dx.doi.org/10.1103/PhysRevC.96.064316>
IF (2017): 3.304
106. Nomura, K.; Rodriguez-Guzman, R.; Humadi, Y. M.; Robledo, L. M.; Abusara, H.
Structure of krypton isotopes within the interacting boson model derived from the Gogny energy density functional
PHYSICAL REVIEW C. 96 (3), 34310 (2017)
DOI: <http://dx.doi.org/10.1103/PhysRevC.96.034310>
IF (2017): 3.304

107. Nomura, K.; Rodriguez-Guzman, R.; Robledo, L. M.
Description of odd-mass nuclei within the interacting boson-fermion model based on the Gogny energy density functional
PHYSICAL REVIEW C. **96** (1), 14314 (2017)
DOI: <http://dx.doi.org/10.1103/PhysRevC.96.014314>
IF (2017): 3.304
108. Nomura, K.; Nikšić, T.; Vretenar, D.
Shape-phase transitions in odd-mass gamma-soft nuclei with mass A approximate to 130
PHYSICAL REVIEW C. **96** (1), 14304 (2017)
DOI: <http://dx.doi.org/10.1103/PhysRevC.96.014304>
IF (2017): 3.304
109. Nomura, K.; Rodriguez-Guzman, R.; Robledo, L. M.
Structural evolution in germanium and selenium nuclei within the mapped interacting boson model based on the Gogny energy density functional
PHYSICAL REVIEW C. **95** (6), 64310 (2017)
DOI: <http://dx.doi.org/10.1103/PhysRevC.95.064310>
IF (2017): 3.304
110. Novak, M.; Smolčić, V.; Delhaize, J.; Delvecchio, I.; Zamorani, G.; Baran, N.; Bondi, M.; Capak, P.; Carilli, C. L.; Ciliegi, P.; Civano, F.; Ilbert, O.; Karim, A.; Laigle, C.; Le Fevre, O.; Marchesi, S.; McCracken, H.; Miettinen, O.; Salvato, M.; Sargent, M.; Schinnerer, E.; Tasca, L.
The VLA-COSMOS 3 GHz Large Project: Cosmic star formation history since z similar to 5
ASTRONOMY & ASTROPHYSICS. **602**, A5 (2017)
DOI: <http://dx.doi.org/10.1051/0004-6361/201629436>
IF (2017): 5.565
111. Očko, M.; Zadro, K.; Drobac, D.; Aviani, I.; Salamon, K.; Bauer, E. D.; Sarrao, J. L.
Transport properties of the Ce_xY_{1-x}Pt alloy system: Unusual concentration dependence of the Curie temperature
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. **426**, 40-45 (2017)
DOI: <http://dx.doi.org/10.1016/j.jmmm.2016.11.051>
IF (2017): 3.046
112. Orbanić, Filip; Novak, Mario; Baćani, Mirko; Kokanović, Ivan
Quantum oscillations in a lead chalcogenide three-dimensional Dirac system
PHYSICAL REVIEW B. **95** (3), 35208 (2017)
DOI: <http://dx.doi.org/10.1103/PhysRevB.95.035208>
IF (2017): 3.813

113. Padovani, P.; Alexander, D. M.; Assef, R. J.; De Marco, B.; Giommi, P.; Hickox, R. C.; Richards, G. T.; Smolčić, V.; Hatziminaoglou, E.; Mainieri, V.; Salvato, M.
 Active galactic nuclei: what's in a name?
ASTRONOMY AND ASTROPHYSICS REVIEW. **25**, 1-91 2 (2017)
 DOI: <http://dx.doi.org/10.1007/s00159-017-0102-9>
 IF (2017): 11.611
114. Patel, Hiren H.; Radovcic, Branimir
 On the decoupling theorem for vacuum metastability
PHYSICS LETTERS B. **773**, 527-533 (2017)
 DOI: <http://dx.doi.org/10.1016/j.physletb.2017.08.075>
 IF (2017): 4.254
115. Pelc, D.; Grafe, H. -J.; Gu, G. D.; Požek, M.
 Cu nuclear magnetic resonance study of charge and spin stripe order in La_{1.875}Ba_{0.125}CuO₄
PHYSICAL REVIEW B. **95** (5), 54508 (2017)
 DOI: <http://dx.doi.org/10.1103/PhysRevB.95.054508>
 IF (2017): 3.813
116. Pierre, M.; Adami, C.; Birkinshaw, M.; Chiappetti, L.; Ettori, S.; Evrard, A.; Faccioli, L.;
 Gastaldello, F.; Giles, P.; Horellou, C.; Iovino, A.; Koulouridis, E.; Lidman, C.; Le Brun, A.;
 Maughan, B.; Maurogordato, S.; McCarthy, I.; Miyazaki, S.; Pacaud, F.; Paltani, S.; Plonis, M.;
 Reiprich, T.; Sadibekova, T.; Smolčić, V.; Snowden, S.; Surdej, J.; Tsirou, M.; Vignali, C.; Willis, J.;
 Alis, S.; Altieri, B.; Baran, N.; Benoist, C.; Bongiorno, A.; Bremer, M.; Butler, A.; Cappi, A.;
 Caretta, C.; Ciliegi, P.; Clerc, N.; Corasaniti, P. S.; Coupon, J.; Delhaize, J.; Delvecchio, I.;
 Democles, J.; Desai, Sh; Devriendt, J.; Dubois, Y.; Eckert, D.; Elyiv, A.; Farahi, A.; Ferraril, C.;
 Fotopoulou, S.; Forman, W.; Georgantopoulos, I.; Guglielmo, V.; Huynh, M.; Jerlin, N.; Jones,
 Ch.; Lavoie, S.; Le Fevre, J. -P.; Lieu, M.; Kilbinger, M.; Marulli, F.; Mantz, A.; McGee, S.; Melin, J.
 -B.; Melnyk, O.; Moscardini, L.; Novak, M.; Piconcelli, E.; Poggianti, B.; Pomarede, D.; Pompei,
 E.; Ponman, T.; Ceja, M. E. Ramos; Rana, P.; Rapetti, D.; Raychaudhury, S.; Ricci, M.; Rottgering,
 H.; Sahlen, M.; Sauvageot, J. -L.; Schimd, C.; Sereno, M.; Smith, G. P.; Umetsu, K.; Valageas, P.;
 Valotti, A.; Valtchanov, I.; Veropalumbo, A.; Ascaso, B.; Barnes, D.; De Petris, M.; Durret, F.;
 Donahue, M.; Ithana, M.; Jarvis, M.; Johnston-Hollitt, M.; Kalfountzou, E.; Kay, S.; La Franca, F.;
 Okabe, N.; Muzzin, A.; Rettura, A.; Ricci, F.; Ridl, J.; Risaliti, G.; Takizawa, M.; Thomas, P.;
 Truong, N.
 The XXL survey: First results and future
ASTRONOMISCHE NACHRICHTEN. **338** (2-3), 334-341 (2017)
 DOI: <http://dx.doi.org/10.1002/asna.201713352>
 IF (2017): 1.322

117. Pizzone, R. G.; D'Agata, G.; La Cognata, M.; Indelicato, I.; Spitaleri, C.; Blagus, S.; Cherubini, S.; Figuera, P.; Grassi, L.; Guardo, G. L.; Gulino, M.; Hayakawa, S.; Kshetri, R.; Lamia, L.; Lattuada, M.; Mijatović, T.; Milin, M.; Miljanic, D. D.; Prepoplec, L.; Rapisarda, G. G.; Romano, S.; Sergi, M. L.; Skukan, N.; Soic, N.; Tokić, V.; Tumino, A.; Uroic, M.
First Measurement of the F-19(alpha, p)Ne-22 Reaction at Energies of Astrophysical Relevance
ASTROPHYSICAL JOURNAL. **836** (1), 57 (2017)
DOI: <http://dx.doi.org/10.3847/1538-4357/836/1/57>
IF (2017): 5.551
118. Popović, Jasmina; Jurić, Marijana; Pajić, Damir; Vrankić, Martina; Zavasnik, Janez; Habjanic, Jelena
Effect of the Cation Distribution and Microstructure on the Magnetic Behavior of the CoMn₂O₄ Oxide
INORGANIC CHEMISTRY. **56** (7), 3983-3989 (2017)
DOI: <http://dx.doi.org/10.1021/acs.inorgchem.6b03104>
IF (2017): 4.700
119. Quan, S.; Chen, Q.; Li, Z. P.; Nikšić, T.; Vretenar, D.
Global analysis of quadrupole shape invariants based on covariant energy density functionals
PHYSICAL REVIEW C. **95** (5), 54321 (2017)
DOI: <http://dx.doi.org/10.1103/PhysRevC.95.054321>
IF (2017): 3.304
120. Ricci, C.; Trakhtenbrot, B.; Koss, M. J.; Ueda, Y.; Del Vecchio, I.; Treister, E.; Schawinski, K.; Paltani, S.; Oh, K.; Lamperti, I.; Berney, S.; Gandhi, P.; Ichikawa, K.; Bauer, F. E.; Ho, L. C.; Asmus, D.; Beckmann, V.; Soldi, S.; Balokovic, M.; Gehrels, N.; Markwardt, C. B.
BAT AGN Spectroscopic Survey. V. X-Ray Properties of the Swift/BAT 70-month AGN Catalog
ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES. **233** (2), 17 (2017)
DOI: <http://dx.doi.org/10.3847/1538-4365/aa96ad>
IF (2017): 5.551
121. Ruiz, N. Herrera; Middelberg, E.; Deller, A.; Norris, R. P.; Best, P. N.; Brisken, W.; Schinnerer, E.; Smolčić, V.; Delvecchio, I.; Momjian, E.; Bomans, D.; Scoville, N. Z.; Carilli, C.
The faint radio sky: VLBA observations of the COSMOS field
ASTRONOMY & ASTROPHYSICS. **607**, A132 (2017)
DOI: <http://dx.doi.org/10.1051/0004-6361/201731163>
IF (2017): 5.565

122. Sabate-Gilarte, M.; Barbagallo, M.; Colonna, N.; Gunsing, F.; Žugec, P.; Vlachoudis, V.; Chen, Y. H.; Stamatopoulos, A.; Lerendegui-Marco, J.; Cortes-Giraldo, M. A.; Villacorta, A.; Guerrero, C.; Damone, L.; Audouin, L.; Berthoumieux, E.; Cosentino, L.; Diakaki, M.; Finocchiaro, P.; Musumarra, A.; Papaevangelou, T.; Piscopo, M.; Tassan-Got, L.; Aberle, O.; Andrzejewski, J.; Becares, V.; Bacak, M.; Bacconi, R.; Balibrea, J.; Barros, S.; Becvar, F.; Beinrucker, C.; Belloni, F.; Billowes, J.; Bosnar, D.; Brugger, M.; Caamano, M.; Calvino, F.; Calviani, M.; Cano-Ott, D.; Cardella, R.; Casanova, A.; Castelluccio, D. M.; Cerutti, F.; Chiaveri, E.; Cortes, G.; Deo, K.; Domingo-Pardo, C.; Dressler, R.; Dupont, E.; Duran, I.; Fernandez-Dominguez, B.; Ferrari, A.; Ferreira, P.; Frost, R. J. W.; Furman, V.; Gobel, K.; Garcia, A. R.; Gawlik, A.; Gheorghe, I.; Glodariu, T.; Goncalves, I. F.; Gonzalez, E.; Goverdovski, A.; Griesmayer, E.; Harada, H.; Heftrich, T.; Heinitz, S.; Hernandez-Prieto, A.; Heyse, J.; Jenkins, D. G.; Jericha, E.; Kappeler, F.; Kadi, Y.; Katabuchi, T.; Kavrigin, P.; Ketlerov, V.; Khryachkov, V.; Kimura, A.; Kivel, N.; Kokkoris, M.; Krticka, M.; Leal-Cidoncha, E.; Lederer, C.; Leeb, H.; Licata, M.; Lo Meo, S.; Lonsdale, S. J.; Losito, R.; Macina, D.; Marganiec, J.; Martinez, T.; Massimi, C.; Mastinu, P.; Mastromarco, M.; Matteucci, F.; Maugeri, E. A.; Mendoza, E.; Mengoni, A.; Milazzo, P. M.; Mingrone, F.; Mirea, M.; Montesano, S.; Nolte, R.; Oprea, A.; Palomo-Pinto, F. R.; Paradela, C.; Patronis, N.; Pavlik, A.; Perkowski, J.; Porras, J. I.; Praena, J.; Quesada, J. M.; Rajeev, K.; Rauscher, T.; Reifarth, R.; Riego-Perez, A.; Robles, M. S.; Rout, P. C.; Rubbia, C.; Ryan, J. A.; Saxena, A.; Schillebeeckx, P.; Schmidt, S.; Schumann, D.; Sedyshev, P.; Smith, A. G.; Suryanarayana, S. V.; Tagliente, G.; Tain, J. L.; Tarifeno-Saldivia, A.; Tsinganis, A.; Valenta, S.; Vannini, G.; Variale, V.; Vaz, P.; Ventura, A.; Vlastou, R.; Wallner, A.; Warren, S.; Weigand, M.; Wolf, C.; Woods, P. J.; Weiss, C.; Wright, T. High-accuracy determination of the neutron flux in the new experimental area n_TOF-EAR2 at CERNx
EUROPEAN PHYSICAL JOURNAL A. **53** (10), 210 (2017)
DOI: <http://dx.doi.org/10.1140/epja/i2017-12392-4>
IF (2017): 2.799
123. Santic, N.; Dubcek, T.; Aumiler, D.; Buljan, H.; Ban, T.
Synthetic Lorentz force in an expanding cold atomic gas
JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. **34** (6), 1264-1269 (2017)
DOI: <http://dx.doi.org/10.1364/JOSAB.34.001264>
IF (2017): 2.048
124. Schlimme, B. S.; Achenbach, P.; Aulenbacher, K.; Baunack, S.; Bender, D.; Bericic, J.; Bosnar, D.; Correa, L.; Dehn, M.; Distler, M. O.; Esser, A.; Fonvieille, H.; Friščić, I.; Gutheil, B.; Herrmann, P.; Hoek, M.; Kegel, S.; Kohl, Y.; Kolar, T.; Kreidel, H. -J.; Maas, F.; Merkel, H.; Mihovilović, M.; Mueller, J.; Mueller, U.; Nillius, F.; Nuck, A.; Pochodzalla, J.; Schoth, M.; Schulz, F.; Sfienti, C.; Sirca, S.; Spruck, B.; Stajner, S.; Thiel, M.; Tioukine, V.; Tyukin, A.; Weber, A.
Vertical Beam Polarization at MAMI
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. **850**, 54-60 (2017)
DOI: <http://dx.doi.org/10.1016/j.nima.2017.01.024>
IF (2017): 1.336

125. Smolčić, V.; Novak, M.; Bondi, M.; Ciliegi, P.; Mooley, K. P.; Schinnerer, E.; Zamorani, G.; Navarrete, F.; Bourke, S.; Karim, A.; Vardoulaki, E.; Leslie, S.; Delhaize, J.; Carilli, C. L.; Myers, S. T.; Baran, N.; Delvecchio, I.; Miettinen, O.; Banfield, J.; Balokovic, M.; Bertoldi, F.; Capak, P.; Frail, D. A.; Hallinan, G.; Hao, H.; Ruiz, N. Herrera; Horesh, A.; Ilbert, O.; Intema, H.; Jelic, V.; Kloeckner, H. -R.; Krpan, J.; Kulkarni, S. R.; McCracken, H.; Laigle, C.; Middleberg, E.; Murphy, E. J.; Sargent, M.; Scoville, N. Z.; Sheth, K.
 The VLA-COSMOS 3 GHz Large Project: Continuum data and source catalog release
ASTRONOMY & ASTROPHYSICS. **602**, A1 (2017)
 DOI: <http://dx.doi.org/10.1051/0004-6361/201628704>
 IF (2017): 5.565
126. Smolčić, V.; Novak, M.; Delvecchio, I.; Ceraj, L.; Bondi, M.; Delhaize, J.; Marchesi, S.; Murphy, E.; Schinnerer, E.; Vardoulaki, E.; Zamorani, G.
 The VLA-COSMOS 3 GHz Large Project: Cosmic evolution of radio AGN and implications for radio-mode feedback since z similar to 5
ASTRONOMY & ASTROPHYSICS. **602**, A6 (2017)
 DOI: <http://dx.doi.org/10.1051/0004-6361/201730685>
 IF (2017): 5.565
127. Smolčić, V.; Delvecchio, I.; Zamorani, G.; Baran, N.; Novak, M.; Delhaize, J.; Schinnerer, E.; Berta, S.; Bondi, M.; Ciliegi, P.; Capak, P.; Civano, F.; Karim, A.; Le Fevre, O.; Ilbert, O.; Laigle, C.; Marchesi, S.; McCracken, H. J.; Tasca, L.; Salvato, M.; Vardoulaki, E.
 The VLA-COSMOS 3 GHz Large Project: Multiwavelength counterparts and the composition of the faint radio population
ASTRONOMY & ASTROPHYSICS. **602**, A2 (2017)
 DOI: <http://dx.doi.org/10.1051/0004-6361/201630223>
 IF (2017): 5.565
128. Smolčić, V.; Miettinen, O.; Tomicic, N.; Zamorani, G.; Finoguenov, A.; Lemaux, B. C.; Aravena, M.; Capak, P.; Chiang, Y. -K.; Civano, F.; Delvecchio, I.; Ilbert, O.; Jurlin, N.; Karim, A.; Laigle, C.; Le Fevre, O.; Marchesi, S.; McCracken, H. J.; Riechers, D. A.; Salvato, M.; Schinnerer, E.; Tasca, L.; Toft, S.
 (Sub)millimetre interferometric imaging of a sample of COSMOS/AzTEC submillimetre galaxies
ASTRONOMY & ASTROPHYSICS. **597**, A4 (2017)
 DOI: <http://dx.doi.org/10.1051/0004-6361/201526989>
 IF (2017): 5.565
129. Smolić, Ivica
 Constraints on the symmetry noninheriting scalar black hole hair
PHYSICAL REVIEW D. **95** (2), 24016 (2017)
 DOI: <http://dx.doi.org/10.1103/PhysRevD.95.024016>
 IF (2017): 4.394

130. Stajner, S.; Achenbach, P.; Beranek, T.; Bericic, J.; Bernauer, J. C.; Bosnar, D.; Boehm, R.; Correa, L.; Denig, A.; Distler, M. O.; Esser, A.; Fonvieille, H.; Friedrich, J. M.; Friščić, I.; Kegel, S.; Kohl, Y.; Merkel, H.; Mihovilović, M.; Mueller, J.; Mueler, U.; Nungesser, L.; Pochodzalla, J.; Schlimme, B. S.; Schoth, M.; Schulz, F.; Sfienti, C.; Sirca, S.; Thiel, M.; Tiator, L.; Tyukin, A.; Weber, A.; Yaron, I. Beam-Recoil Polarization Measurement of pi(0) Electroproduction on the Proton in the Region of the Roper Resonance
PHYSICAL REVIEW LETTERS. **119** (2), 22001 (2017)
DOI: <http://dx.doi.org/10.1103/PhysRevLett.119.022001>
IF (2017): 8.839
131. Sun, Qian; Bijelic, Mirjana; Djurisic, Aleksandra B.; Suchomski, Christian; Liu, Xiang; Xie, Maohai; Ng, Alan M. C.; Li, Hang Kong; Shih, Kaimin; Burazer, Sanja; Skoko, Željko; Djerdj, Igor; Popović, Jasmina
Graphene-oxide-wrapped ZnMn₂O₄ as a high performance lithium-ion battery anode
NANOTECHNOLOGY. **28** (45), 455401 (2017)
DOI: <http://dx.doi.org/10.1088/1361-6528/aa8a5b>
IF (2017): 3.404
132. Sunko, D. K.
Fundamental Building Blocks of Strongly Correlated Wave Functions
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM. **30** (1), 35-41 (2017)
DOI: <http://dx.doi.org/10.1007/s10948-016-3799-1>
IF (2017): 1.142
133. Sušac, Ana; Bubić, Andreja; Martinjak, Petra; Planinić, Maja; Palmović, Marijan
Graphical representations of data improve student understanding of measurement and uncertainty: An eye-tracking study
PHYSICAL REVIEW PHYSICS EDUCATION RESEARCH. **13** (2), UNSP 020125 (2017)
DOI: <http://dx.doi.org/10.1103/PhysRevPhysEducRes.13.020125>
IF (2017): 1.420
134. Tao, H.; Zhao, J.; Li, Z. P.; Nikšić, T.; Vretenar, D.
Microscopic study of induced fission dynamics of Th-226 with covariant energy density functionals
PHYSICAL REVIEW C. **96** (2), 24319 (2017)
DOI: <http://dx.doi.org/10.1103/PhysRevC.96.024319>
IF (2017): 3.304

135. Tokić, V.; Soic, N.; Blagus, S.; Fazinic, S.; Jelavić-Malenica, D.; Mijatović, T.; Miljanic, D.; Prepoléc, L.; Skukan, N.; Szilner, S.; Uroic, M.; Milin, M.; Di Pietro, A.; Figuera, P.; Fernandez-Garcia, J. P.; Fisichella, M.; Lattuada, M.; Scuderi, V.; Strano, E.; Torresi, D.; Bailey, S.; Curtis, N.; Freer, M.; Smith, R.; Walshe, J.; Ziman, V.; Acosta, L.; Martel, I.; Marquinez-Duran, G.; Sanchez-Benitez, A. M.; Fioretto, E.
 Structure of Mg-24 excited states and their influence on nucleosynthesis
ACTA PHYSICA POLONICA B. **48** (3), 319-324 (2017)
 DOI: <http://dx.doi.org/10.5506/APhysPolB.48.319>
 IF (2017): 0.875
136. Tu, Sa; Hu, Junfeng; Yu, Guoqiang; Yu, Haiming; Liu, Chuanpu; Heimbach, Florian; Wang, Xiangrong; Zhang, Jianyu; Zhang, Youguang; Hamzić, Amir; Wang, Kang L.; Zhao, Weisheng; Ansermet, Jean-Philippe
 Anomalous Nernst effect in Ir₂₂Mn₇₈/Co₂₀Fe₆₀B₂₀/MgO layers with perpendicular magnetic anisotropy
APPLIED PHYSICS LETTERS. **111** (22), 222401 (2017)
 DOI: <http://dx.doi.org/10.1063/1.4996399>
 IF (2017): 3.495
137. Van Isacker, P.; Engel, J.; Nomura, K.
 Neutron-proton pairing and double-beta decay in the interacting boson model
PHYSICAL REVIEW C. **96** (6), 64305 (2017)
 DOI: <http://dx.doi.org/10.1103/PhysRevC.96.064305>
 IF (2017): 3.304
138. Vlahović, Ines; Glunčić, Matko; Rosandić, Marija; Ugarković, Durdica; Paar, Vladimir
 Regular Higher Order Repeat Structures in Beetle *Tribolium castaneum* Genome
GENOME BIOLOGY AND EVOLUTION. **9** (10), 2668-2680 (2017)
 DOI: <http://dx.doi.org/10.1093/gbe/evw174>
 IF (2017): 3.940
139. Vukušić, Kruso; Buda, Renata; Bosilj, Agneza; Milas, Ana; Pavin, Nenad; Tolić, Iva M.
 Microtubule Sliding within the Bridging Fiber Pushes Kinetochore Fibers Apart to Segregate Chromosomes
DEVELOPMENTAL CELL. **43** (1), 11 (2017)
 DOI: <http://dx.doi.org/10.1016/j.devcel.2017.09.010>
 IF (2017): 9.616
140. Wang, Duan; Zhang, Xin; Horvatić, Davor; Podobnik, Boris; Stanley, H. Eugene
 A generalization of random matrix theory and its application to statistical physics
CHAOS. **27** (2), 23104 (2017)
 DOI: <http://dx.doi.org/10.1063/1.4975217>
 IF (2017): 2.415

141. Wright, T.; Guerrero, C.; Billowes, J.; Cano-Ott, D.; Mendoza, E.; Altstadt, S.; Andrzejewski, J.; Audouin, L.; Becares, V.; Barbagallo, M.; Becvar, F.; Belloni, F.; Berthoumieux, E.; Bosnar, D.; Brugger, M.; Calvino, F.; Calviani, M.; Carrapico, C.; Cerutti, F.; Chiaveri, E.; Chin, M.; Colonna, N.; Cortes, G.; Cortes-Giraldo, M. A.; Diakaki, M.; Dietz, M.; Domingo-Pardo, C.; Duran, I.; Dzysiuk, N.; Eleftheriadis, C.; Ferrari, A.; Fraval, K.; Furman, V.; Gomez-Hornillos, M. B.; Ganesan, S.; Garcia, A. R.; Giubrone, G.; Goncalves, I. F.; Gonzalez-Romero, E.; Goverdovski, A.; Griesmayer, E.; Gunsing, F.; Gurusamy, P.; Heftrich, T.; Hernandez-Prieto, A.; Jenkins, D. G.; Jericha, E.; Kaeppler, F.; Kadi, Y.; Karadimos, D.; Katabuchi, T.; Ketlerov, V.; Khryachkov, V.; Koehler, P.; Kokkoris, M.; Kroll, J.; Krticka, M.; Lampoudis, C.; Langer, C.; Leal-Cidoncha, E.; Lederer, C.; Leeb, H.; Leong, L. S.; Lerendegui-Marco, J.; Losito, R.; Manousos, A.; Marganiec, J.; Martinez, T.; Massimi, C.; Mastinu, P.; Mengoni, A.; Milazzo, P. M.; Mingrone, F.; Mirea, M.; Paradela, C.; Pavlik, A.; Perkowski, J.; Praena, J.; Quesada, J. M.; Rauscher, T.; Reifarth, R.; Riego-Perez, A.; Robles, M.; Roman, F.; Rubbia, C.; Ryan, J. A.; Sabate-Gilarte, M.; Sarmento, R.; Saxena, A.; Schillebeeckx, P.; Schmidt, S.; Schumann, D.; Sedyshev, P.; Tagliente, G.; Tain, J. L.; Tarifeno-Saldivia, A.; Tarrio, D.; Tassan-Got, L.; Tsinganis, A.; Valenta, S.; Vannini, G.; Variale, V.; Vaz, P.; Ventura, A.; Vermeulen, M. J.; Versaci, R.; Vlachoudis, V.; Vlastou, R.; Wallner, A.; Ware, T.; Weigand, M.; Weiss, C.; Žugec, P.
Measurement of the U-238(n,gamma) cross section up to 80 keV with the Total Absorption Calorimeter at the CERN n_TOF facility
PHYSICAL REVIEW C. **96** (6), 64601 (2017)
DOI: <http://dx.doi.org/10.1103/PhysRevC.96.064601>
IF (2017): 3.304
142. Xia, S. Y.; Tao, H.; Lu, Y.; Li, Z. P.; Nikšić, T.; Vretenar, D.
Spectroscopy of reflection-asymmetric nuclei with relativistic energy density functionals
PHYSICAL REVIEW C. **96** (5), 54303 (2017)
DOI: <http://dx.doi.org/10.1103/PhysRevC.96.054303>
IF (2017): 3.304
143. Yaron, I.; Israeli, D.; Achenbach, P.; Arenhoevel, H.; Bericic, J.; Bohm, R.; Bosnar, D.; Cohen, E. O.; Debenjak, L.; Distler, M. O.; Esser, A.; Friščić, I.; Gilman, R.; Korover, I.; Lichtenstadt, J.; Merkel, H.; Middleton, D. G.; Mihovilović, M.; Mueller, U.; Piasetzky, E.; Pochodzalla, J.; Ron, G.; Schlimme, B. S.; Schoth, M.; Schulz, F.; Sfienti, C.; Sirca, S.; Strauch, S.; Thiel, M.; Tyukin, A.; Weber, A.
Polarization-transfer measurement to a large-virtuality bound proton in the deuteron
PHYSICS LETTERS B. **769**, 21-24 (2017)
DOI: <http://dx.doi.org/10.1016/j.physletb.2017.01.034>
IF (2017): 4.254
144. Zhao, Jie; Lu, Bing-Nan; Zhao, En-Guang; Zhou, Shan-Gui
Tetrahedral shapes of neutron-rich Zr isotopes from a multidimensionally constrained relativistic Hartree-Bogoliubov model
PHYSICAL REVIEW C. **95** (1), 14320 (2017)
DOI: <http://dx.doi.org/10.1103/PhysRevC.95.014320>
IF (2017): 3.304

145. Žugec, P.; Colonna, N.; Sabate-Gilarte, M.; Vlachoudis, V.; Massimi, C.; Lerendegui-Marcos, J.; Stamatopoulos, A.; Bacak, M.; Warren, S. G. (n_TOF Collaboration)
A direct method for unfolding the resolution function from measurements of neutron induced reactions
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. **875**, 41-50 (2017)
DOI: <http://dx.doi.org/10.1016/j.nima.2017.09.004>
IF (2017): 1.336