



University of Zagreb
Faculty of Science
Department of Physics

SCIENTIFIC PUBLICATIONS
IN 2015

SCIENTIFIC PUBLICATIONS
PUBLISHED IN JOURNAL ARTICLES AND REVIEW ARTICLES IN 2015
(Web of Science Core Collection)

1. Abdelwahab, N. M.; ... ; Planinić, M.; ... ; Poljak, N.; ... ; Zyzak, M. (STAR Collaboration)
Isolation of flow and nonflow correlations by two- and four-particle cumulant measurements of azimuthal harmonics in $\sqrt{s_{NN}}=200$ GeV Au+Au collisions
PHYSICS LETTERS B. **745**, 40-47 (2015)
DOI: [10.1016/j.physletb.2015.04.033](https://doi.org/10.1016/j.physletb.2015.04.033)
IF (2015): 4.787
2. Abelev, B.; ... ; Antičić, T.; ... ; Gotovac, S.; ... ; Mudnić, E.; ... ; Planinić, M.; ... ; Poljak, N.; ... ; Simatović, G.; ... ; Šuša, T.; ... ; Vicković, L.; ... ; Zyzak, M. (ALICE Collaboration)
Elliptic flow of identified hadrons in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV
JOURNAL OF HIGH ENERGY PHYSICS. **2015** (6), 190 (2015)
DOI: [10.1007/JHEP06\(2015\)190](https://doi.org/10.1007/JHEP06(2015)190)
IF (2015): 6.023
3. Abelev, B. ...; Antičić, T.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Šuša, Tatjana; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration)
Measurement of electrons from semileptonic heavy-flavor hadron decays in pp collisions at $\sqrt{s}=2.76$ TeV
PHYSICAL REVIEW D. **91** (1), 12001 (2015)
DOI: [10.1103/PhysRevD.91.012001](https://doi.org/10.1103/PhysRevD.91.012001)
IF (2015): 4.506
4. Abelev, B. ...; Antičić, T.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration)
Multiplicity dependence of jet-like two-particle correlation structures in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
PHYSICS LETTERS B. **741**, 38-50 (2015)
DOI: [10.1016/j.physletb.2014.11.028](https://doi.org/10.1016/j.physletb.2014.11.028)
IF (2015): 4.787
5. Abelev, B.; ...; Antičić, T.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Šuša, Tatjana; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration)
 $K^*(892)^0$ and $\phi(1020)$ production in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV
PHYSICAL REVIEW C. **91** (2), 24609 (2015)
DOI: [10.1103/PhysRevC.91.024609](https://doi.org/10.1103/PhysRevC.91.024609)
IF (2015): 3.146

6. Abelev, B. ...; Antičić, T.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration)
Production of $\Sigma(1385)^\pm$ and $\Xi(1530)^0$ in proton-proton collisions at $\sqrt{s}=7$ TeV
EUROPEAN PHYSICAL JOURNAL C. **75** (1), 1-1 - 1-19 (2015)
DOI: [10.1140/epjc/s10052-014-3191-x](https://doi.org/10.1140/epjc/s10052-014-3191-x)
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7. Abelev, B.; ...; Antičić, T.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration)
Inclusive photon production at forward rapidities in proton-proton collisions at $\sqrt{s}=0.9, 2.76$ and 7 TeV
EUROPEAN PHYSICAL JOURNAL C. **75** (4), 146 (2015)
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Charged jet cross sections and properties in proton-proton collisions at $\sqrt{s}=7$ TeV
PHYSICAL REVIEW D. **91** (11), 112012 (2015)
DOI: [10.1103/PhysRevD.91.112012](https://doi.org/10.1103/PhysRevD.91.112012)
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Production of inclusive $\Upsilon(1S)$ and $\Upsilon(2S)$ in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
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DOI: [10.1016/j.physletb.2014.11.041](https://doi.org/10.1016/j.physletb.2014.11.041)
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10. Adam, J.; ...; Antičić, T.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Utrobičić, A.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration)
Centrality dependence of particle production in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
PHYSICAL REVIEW C. **91** (6), 64905 (2015)
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11. Adam, J.; ...; Antičić, T.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Utrobičić, A.; ...; Vicković, L.; ...; Zyzak, M. (ALICE collaboration)
Forward-backward multiplicity correlations in pp collisions at $\sqrt{s}=0.9, 2.76$ and 7 TeV
JOURNAL OF HIGH ENERGY PHYSICS. **2015** (5), 97 (2015)
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Measurement of charm and beauty production at central rapidity versus charged-particle multiplicity in proton-proton collisions at $\sqrt{s}=7$ TeV
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Precision measurement of the mass difference between light nuclei and anti-nuclei
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Measurement of pion, kaon and proton production in proton-proton collisions at $\sqrt{s}=7$ TeV
EUROPEAN PHYSICAL JOURNAL C. **75** (5), 226 (2015)
DOI: [10.1140/epjc/s10052-015-3422-9](https://doi.org/10.1140/epjc/s10052-015-3422-9)
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Rapidity and transverse-momentum dependence of the inclusive J/ψ nuclear modification factor in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
JOURNAL OF HIGH ENERGY PHYSICS. **2015** (6), 55 (2015)
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Two-pion femtoscopy in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
PHYSICAL REVIEW C. **91** (3), 34906 (2015)
DOI: [10.1103/PhysRevC.91.034906](https://doi.org/10.1103/PhysRevC.91.034906)
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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)
Measurement of jet suppression in central Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV
PHYSICS LETTERS B. **746**, 1-14 (2015)
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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) Coherent ρ^0 photoproduction in ultra-peripheral Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV
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Measurements of dielectron production in Au + Au collisions at $\sqrt{s_{NN}}=200$ GeV from the STAR experiment
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34. Adamczyk, L. ...; Planinić, M.; ...; Poljak, N.; ...; Zyzak, M. (STAR Collaboration)
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PHYSICAL REVIEW C. **92** (2), 21901 (2015)
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35. Adamczyk, L. ...; Planinić, M.; ...; Poljak, N.; ...; Zyzak, M. (STAR Collaboration)
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38. Adamczyk, L. ...; Planinić, M.; ...; Poljak, N.; ...; Zyzak, M. (STAR Collaboration)
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PHYSICAL REVIEW C. **92** (3), 34914 (2015)
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