



University of Physics
Faculty of Science
Department of Physics

SCIENTIFIC PUBLICATIONS
IN 2012

SCIENTIFIC PUBLICATIONS
PUBLISHED IN JOURNAL ARTICLES AND REVIEW ARTICLES IN 2012
(Web of Science Core Collection)

1. Abelev, B.; ...; Antičić, T.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Simatović, G.; ...; Šuša, T.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration)
Pion, kaon, and proton production in central Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV
PHYSICAL REVIEW LETTERS. **109** (25), 252301 (2012)
DOI: [10.1103/PhysRevLett.109.252301](https://doi.org/10.1103/PhysRevLett.109.252301)
IF (2012): 7.943
2. Abelev, B.; ...; Antičić, T.; ...; Gotovac, S.; ...; Mudnić, E.; ...; ...; Simatović, G.; ...; Šuša, T.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration)
Multi-strange baryon production in pp collisions at $\sqrt{s}=7$ TeV with ALICE
PHYSICS LETTERS B. **712** (4-5), 309-318 (2012)
DOI: [10.1016/j.physletb.2012.05.011](https://doi.org/10.1016/j.physletb.2012.05.011)
IF (2012): 4.569
3. Abelev, B.; ...; Antičić, T.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Simatović, G.; ...; Šuša, T.; ...; Vicković, L.; ...; Zyzak, M.. (ALICE Collaboration)
Transverse sphericity of primary charged particles in minimum bias proton-proton collisions at $\sqrt{s}=0.9, 2.76$ and 7 TeV
EUROPEAN PHYSICAL JOURNAL C. **72** (9), 2124 (2012)
DOI: [10.1140/epjc/s10052-012-2124-9](https://doi.org/10.1140/epjc/s10052-012-2124-9)
IF (2012): 5.247
4. Abelev, B.; ...; Antičić, T.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Simatović, G.; ...; Šuša, T.; ...; Vicković, L.; ...; Zyzak, M.. (ALICE Collaboration)
Production of Muons from Heavy Flavor Decays at Forward Rapidity in pp and Pb-Pb Collisions at $\sqrt{s_{NN}}=2.76$ TeV
PHYSICAL REVIEW LETTERS. **109** (11), 112301 (2012)
DOI: [10.1103/PhysRevLett.109.112301](https://doi.org/10.1103/PhysRevLett.109.112301)
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5. Abelev, B.; ...; Antičić, T.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Simatović, G.; ...; Šuša, T.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration)
Measurement of electrons from semileptonic heavy-flavor hadron decays in pp collisions at $\sqrt{s}=7$ TeV
PHYSICAL REVIEW D. **86** (11), 112007 (2012)
DOI: [10.1103/PhysRevD.86.112007](https://doi.org/10.1103/PhysRevD.86.112007)
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K⁰_sK⁰_s correlations in pp collisions at $\sqrt{s}=7$ TeV from the LHC ALICE experiment
PHYSICS LETTERS B. **717** (1-3), 151-161 (2012)
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Production of K*(892)⁰ and φ (1020) in pp collisions at $\sqrt{s}=7$ TeV
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8. Abelev, B.; ...; Antičić, T.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Simatović, G.; ...; Šuša, T.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration)
D⁺_s meson production at central rapidity in proton-proton collisions at $\sqrt{s}=7$ TeV
PHYSICS LETTERS B. **718** (2), 279-294 (2012)
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Measurement of charm production at central rapidity in proton-proton collisions at $\sqrt{s} = 2.76$ TeV
JOURNAL OF HIGH ENERGY PHYSICS. **2012** (7), 191 (2012)
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Measurement of prompt J/ ψ and beauty hadron production cross sections at mid-rapidity in pp collisions at $\sqrt{s}=7$ TeV
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DOI: [10.1007/JHEP11\(2012\)065](https://doi.org/10.1007/JHEP11(2012)065)
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Inclusive charged hadron elliptic flow in Au+Au collisions at $\sqrt{s_{NN}} = 7.7-39$ GeV
PHYSICAL REVIEW C. **86** (5), 54908 (2012)
DOI: [10.1103/PhysRevC.86.054908](https://doi.org/10.1103/PhysRevC.86.054908)
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Longitudinal and transverse spin asymmetries for inclusive jet production at mid-rapidity in polarized p+p collisions at $\sqrt{s}=200$ GeV
PHYSICAL REVIEW D. **86** (3), 32006 (2012)
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Di-electron spectrum at mid-rapidity in p+p collisions at $\sqrt{s}=200$ GeV
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Measurement of the $W \rightarrow e\nu$ and $Z/\gamma^* \rightarrow e^+e^-$ production cross sections at mid-rapidity in proton-proton collisions at $\sqrt{s} = 500$ GeV
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Transverse single-spin asymmetry and cross section for π^0 and η mesons at large Feynman x in $p^\uparrow + p$ collisions at $\sqrt{s}=200$ GeV
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Directed flow of identified particles in Au + Au collisions at $\sqrt{s_{NN}} = 200$ GeV at RHIC
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Energy and system-size dependence of two- and four-particle v_2 measurements in heavy-ion collisions at $\sqrt{s_{NN}} = 62.4$ and 200 GeV and their implications on flow fluctuations and nonflow
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25. Agakishiev, G.; ...; Planinić, M.; ...; Poljak, N.; ...; Zoukarneeva, Y. (STAR Collaboration)
Directed and elliptic flow of charged particles in Cu + Cu collisions at $\sqrt{s_{NN}} = 22.4$ GeV
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