



University of Zagreb  
Faculty of Science  
Department of Physics

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SCIENTIFIC PUBLICATIONS  
IN 2016

SCIENTIFIC PUBLICATIONS  
PUBLISHED IN JOURNAL ARTICLES AND REVIEW ARTICLES IN 2016  
(Web of Science Core Collection)

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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.; Mezzani, 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>  
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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  
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DOI: <http://dx.doi.org/10.1103/PhysRevLett.116.132302>  
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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  
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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  
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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)  
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Measurement of transverse energy at midrapidity in Pb-Pb collisions at  $\sqrt{s_{NN}}=2.76$  TeV  
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Higher harmonic flow coefficients of identified hadrons in Pb-Pb collisions at  $\sqrt{s_{NN}}=2.76$  TeV  
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Correlated event-by-event fluctuations of flow harmonics in Pb-Pb collisions at  $\sqrt{s_{NN}}=2.76$  TeV  
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D-meson production in p-Pb collisions at  $\sqrt{s_{NN}}=5.02$  TeV and in pp collisions at  $\sqrt{s}=7$  TeV  
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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)  
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Search for weakly decaying  $\Lambda n$  and  $\Lambda\Lambda$  exotic bound states in central Pb-Pb collisions at  $\sqrt{s_{NN}}=2.76$  TeV  
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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  
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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  
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Event-shape engineering for inclusive spectra and elliptic flow in Pb-Pb collisions at  $\sqrt{s_{NN}}=2.76$  TeV  
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Differential studies of inclusive  $J/\psi$  and  $\psi(2S)$  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)  
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Multiplicity and transverse momentum evolution of charge-dependent correlations in pp, p-Pb, and Pb-Pb collisions at the LHC  
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