



University of Zagreb
Faculty of Science
Department of Physics

SCIENTIFIC PUBLICATIONS
IN 2021

SCIENTIFIC PUBLICATIONS OF THE DEPARTMENT OF PHYSICS IN 2021
(Web of Science Core Collection)

1. Accorto, G.; Naito, T.; Liang, H.; Nikšić, T.; Vretenar, D.
Nuclear energy density functionals from empirical ground-state densities
PHYSICAL REVIEW C. **103** (4), 044304 (2021)
DOI: <https://doi.org/10.1103/PhysRevC.103.044304>
IF (2021.): 3.199

2. (ALICE Collaboration) Acharya, S.; ... ; Antičić, T.; ... ; Erhardt, F.; ... ; Gotovac, S.; ... ; Jerčić, M.; ... ; Karatović, D.; ... ; Lončar, P.; ... ; Mudnić, E.; ... ; Planinić, M.; ... ; Poljak, N.; ... ; Vicković, L.; ... ; Zurlo, N.
Centrality dependence of J/ψ and ψ (2S) production and nuclear modification in p-Pb collisions at $\sqrt{s_{NN}}=8.16$ TeV
JOURNAL OF HIGH ENERGY PHYSICS. **2021** (02), 002 (2021)
DOI: [https://doi.org/10.1007/JHEP02\(2021\)002](https://doi.org/10.1007/JHEP02(2021)002)
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First measurement of the vertical bar t vertical bar-dependence of coherent J/ψ photonuclear production
PHYSICS LETTERS B. **817**, 136280 (2021)
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Production of light-flavor hadrons in pp collisions at $\sqrt{s}=7$ and $\sqrt{s}=13$ TeV
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Pseudorapidity distributions of charged particles as a function of mid- and forward rapidity multiplicities in pp collisions at $\sqrt{s}=5.02, 7$ and 13 TeV
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Pion-kaon femtoscopy and the lifetime of the hadronic phase in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV
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Transverse-momentum and event-shape dependence of D-meson flow harmonics in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
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A(+)c production in pp and in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
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Transverse momentum dependent forward neutron single spin asymmetries in transversely polarized p + p collisions at $\sqrt{s}=200$ GeV
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