



University of Zagreb
Faculty of Science
Department of Physics

SCIENTIFIC PUBLICATIONS
IN 2022

SCIENTIFIC PUBLICATIONS OF THE DEPARTMENT OF PHYSICS IN 2022
(Web of Science Core Collection)

1. (A Large Ion Collider Experiment Collaboration) Acharya, S. ; ...; Erhardt, Filip; ...; Gotovac, Sven ; ...; Jerčić, Marko ; ...; Karatović, David ; ...; Lončar, Petra ; ...; Mudnić, Eugen ; ...; Planinić, Mirko ; ...; Poljak, Nikola ; ...; Vicković, Linda ; ...; Zurlo, N.
Measurement of the Groomed Jet Radius and Momentum Splitting Fraction in pp and Pb-Pb Collisions at $\sqrt{s_{NN}}=5.02$ TeV
PHYSICAL REVIEW LETTERS. **128** (2022), 10; 102001
DOI: <https://doi.org/10.1103/PhysRevLett.128.102001>

2. (A Large Ion Collider Experiment Collaboration) Acharya, S.; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Jerčić, Marko; ...; Karatović, David; ...; Lončar, Petra; ...; Mudnić, Eugen; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Vicković, Linda; ...; Zurlo, N.
Hypertriton Production in p-Pb Collisions at $\sqrt{s_{NN}}=5.02$ TeV
PHYSICAL REVIEW LETTERS. **128** (2022), 25; 252003
DOI: <https://doi.org/10.1103/PhysRevLett.128.252003>

3. (ALICE Collaboration) Acharya, S.; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Jerčić, Marko; ...; Karatović, David; ...; Lončar, Petra; ...; Mudnić, Eugen; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Vicković, Linda; ...; Zurlo, N.
First study of the two-body scattering involving charm hadrons
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Production of $K^*(892)(0)$ and $\phi(1020)$ in pp and Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
PHYSICAL REVIEW C. **106** (2022), 3; 034907
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5. (ALICE Collaboration) Acharya, S.; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Jerčić, Marko; ...; Karatović, David; ...; Lončar, Petra; ...; Mudnić, Eugen; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Vicković, Linda; ...; Zurlo, N.
Characterizing the initial conditions of heavy-ion collisions at the LHC with mean transverse momentum and anisotropic flow correlations
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 $KS0K^0$ and $KS0K^\pm$ femtoscopy in pp collisions at $\sqrt{s} = 5.02$ and 13 TeV
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Measurement of inclusive charged-particle b-jet production in pp and p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV
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Production of light (anti)nuclei in pp collisions at $\sqrt{s} = 5.02$ TeV
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Measurement of beauty production via non-prompt D_0 mesons in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV
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Measurement of Prompt D^0 , $\Lambda+c$, and $\Sigma^0, ++c(2455)$ Production in Proton-Proton Collisions at $\sqrt{s}=13$ TeV
PHYSICAL REVIEW LETTERS. **128** (2022), 1; 012001
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15. (ALICE Collaboration) Acharya, S.; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Jerčić, Marko; ...; Karatović, David; ...; Lončar, Petra; ...; Mudnić, Eugen; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Vicković, Linda; ...; Zurlo, N.
Measurement of $K^*(892)^\pm$ production in inelastic pp collisions at the LHC
PHYSICS LETTERS B. **828** (2022); 137013
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Inclusive, prompt and non-prompt J/ψ production at midrapidity in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV
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Measurement of prompt D_s -meson production and azimuthal anisotropy in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
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23. (ALICE Collaboration) Acharya, S.; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Jerčić, Marko; ...; Karatović, David; ...; Lončar, Petra; ...; Mudnić, Eugen; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Vicković, Linda; ...; Zurlo, N.
General balance functions of identified charged hadron pairs of (π, K, p) in Pb–Pb collisions at $\sqrt{s_{NN}}= 2.76$ TeV
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Production of light (anti)nuclei in pp collisions at $\sqrt{s} = 13$ TeV
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Production of Λ and K^0_s in jets in p–Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV and pp collisions at $\sqrt{s} = 7$ TeV
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Polarization of Λ and Λ^- Hyperons along the Beam Direction in Pb-Pb Collisions at $\sqrt{s_{NN}} = 5.02$ TeV
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