

Prof. Ayben KARASU UYSAL

Personal Information

Email: ayben.karasu@yildiz.edu.tr

Web: <https://avesis.yildiz.edu.tr/akarasu>

International Researcher IDs

ORCID: 0000-0001-6297-2532

Publons / Web Of Science ResearcherID: K-3981-2015

ScopusID: 48061144000

Yoksis Researcher ID: 58188

Education Information

Doctorate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Turkey 2004 - 2011

Postgraduate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Turkey 2002 - 2004

Undergraduate, Yildiz Technical University, Faculty Of Arts & Science, Department Of Physics, Turkey 1998 - 2002

Foreign Languages

English, C2 Mastery

French, B1 Intermediate

Research Areas

Physics, High Energy Physics, Experimental High Energy Physics Studies, Theoretical High Energy Physics Studies, Physics Analysis and Simulation Studies

Academic Titles / Tasks

Professor, Yildiz Technical University, Faculty Of Arts & Science, Department Of Physics, 2023 - Continues

Professor, Kto Karatay University, 2020 - 2023

Associate Professor, Kto Karatay University, 2014 - 2020

Assistant Professor, Kto Karatay University, 2012 - 2014

Research Assistant, Yildiz Technical University, Faculty Of Arts & Science, Department Of Physics, 2003 - 2011

Academic and Administrative Experience

BAP Coordinator, Kto Karatay University, 2022 - 2023

Head of Department, Kto Karatay University, 2015 - 2017

Erasmus Program Institutional Coordinator, Kto Karatay University, 2014 - 2017

Member of the Commission, Kto Karatay University, 2014 - 2015

Courses

Physics-1, Undergraduate, 2023 - 2024

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Measurement of the impact-parameter dependent azimuthal anisotropy in coherent ρ^0 photoproduction in Pb–Pb collisions at $s_{NN}=5.02$ TeV**
Acharya S., Adamová D., Agarwal A., Aglieri Rinella G., Aglietta L., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.858, 2024 (SCI-Expanded)
- II. **Measurement of (anti)alpha production in central Pb–Pb collisions at $s_{NN}=5.02$ TeV**
Acharya S., Adamová D., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., Akindinov A., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.858, 2024 (SCI-Expanded)
- III. **Measurement of beauty-quark production in pp collisions at $s = 13$ TeV via non-prompt D mesons**
Acharya S., Adamová D., Agarwal A., Aglieri Rinella G., Aglietta L., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., et al.
Journal of High Energy Physics, vol.2024, no.10, 2024 (SCI-Expanded)
- IV. **Multiplicity dependence of charged-particle intra-jet properties in pp collisions at $\sqrt{s} = 13$ TeV**
Acharya S., Adamová D., Rinella G. A., Aglietta L., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., et al.
European Physical Journal C, vol.84, no.10, 2024 (SCI-Expanded)
- V. **Studying strangeness and baryon production mechanisms through angular correlations between charged Ξ baryons and identified hadrons in pp collisions at $s = 13$ TeV**
Acharya S., Adamová D., Adolfsson J., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., et al.
Journal of High Energy Physics, vol.2024, no.9, 2024 (SCI-Expanded)
- VI. **Search for the Chiral Magnetic Effect with charge-dependent azimuthal correlations in Xe–Xe collisions at $s_{NN}=5.44$ TeV**
Acharya S., Adamová D., Adler A., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.856, 2024 (SCI-Expanded)
- VII. **Investigating the composition of the $K_{0S}(700)$ state with $\pi \pm K_{S0}$ correlations at the LHC**
Acharya S., Adamová D., Aglieri Rinella G., Aglietta L., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.856, 2024 (SCI-Expanded)
- VIII. **Investigating strangeness enhancement with multiplicity in pp collisions using angular correlations**
Acharya S., Adamová D., Agarwal A., Aglieri Rinella G., Aglietta L., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., et al.
Journal of High Energy Physics, vol.2024, no.9, 2024 (SCI-Expanded)
- IX. **Measurements of Chemical Potentials in Pb-Pb Collisions at $s_{NN} = 5.02$ TeV**
Acharya S., Adamová D., Aglieri Rinella G., Aglietta L., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., et al.
Physical Review Letters, vol.133, no.9, 2024 (SCI-Expanded)
- X. **The ALICE experiment: a journey through QCD**
Acharya S., Adamová D., Adler A., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., et al.
European Physical Journal C, vol.84, no.8, 2024 (SCI-Expanded)
- XI. **Measurement of ω c_0 baryon production and branching-fraction ratio $BR(\omega \rightarrow \omega^- e^+ \nu e)/BR(\omega \rightarrow \omega^- \pi^+)$ in pp collisions at $s = 13$ TeV**
Acharya S., Adamová D., Agarwal A., Aglieri Rinella G., Aglietta L., Agnello M., Agrawal N., Ahammed Z., Ahmad S.,

Ahn S., et al.

Physical Review D, vol.110, no.3, 2024 (SCI-Expanded)

- XII. **Azimuthal anisotropy of jet particles in p-Pb and Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV**
Acharya S., Adamová D., Adler A., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., et al.
Journal of High Energy Physics, vol.2024, no.8, 2024 (SCI-Expanded)
- XIII. **Studying the interaction between charm and light-flavor mesons**
Acharya S., Adamová D., Aglieri Rinella G., Aglietta L., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., et al.
Physical Review D, no.3, 2024 (SCI-Expanded)
- XIV. **Observation of Medium-Induced Yield Enhancement and Acoplanarity Broadening of Low- p_T Jets from Measurements in pp and Central Pb-Pb Collisions at $\sqrt{s_{NN}} = 5.02$ TeV**
Acharya S., Adamová D., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., Akindinov A., et al.
Physical Review Letters, vol.133, no.2, 2024 (SCI-Expanded)
- XV. **Exploring the Strong Interaction of Three-Body Systems at the LHC**
Acharya S., Adamová D., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., Akindinov A., et al.
Physical Review X, vol.14, no.3, 2024 (SCI-Expanded)
- XVI. **Measurements of jet quenching using semi-inclusive hadron+jet distributions in pp and central Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV**
Acharya S., Adamová D., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., Akindinov A., et al.
Physical Review C, vol.110, no.1, 2024 (SCI-Expanded)
- XVII. **Systematic study of flow vector fluctuations in $\sqrt{s_{NN}} = 5.02$ TeV Pb-Pb collisions**
Acharya S., Adamová D., Agarwal A., Aglieri Rinella G., Aglietta L., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., et al.
Physical Review C, vol.109, no.6, 2024 (SCI-Expanded)
- XVIII. **Observation of abnormal suppression of $f_0(980)$ production in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV**
Acharya S., Adamová D., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., Akindinov A., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.853, 2024 (SCI-Expanded)
- XIX. **Photoproduction of K^+K^- Pairs in Ultraperipheral Collisions**
Acharya S., Adamová D., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., Akindinov A., et al.
Physical Review Letters, vol.132, no.22, 2024 (SCI-Expanded)
- XX. **Search for jet quenching effects in high-multiplicity pp collisions at (Formula presented.) TeV via di-jet acoplanarity**
Acharya S., Adamová D., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., Akindinov A., et al.
Journal of High Energy Physics, vol.2024, no.5, 2024 (SCI-Expanded)
- XXI. **Light-flavor particle production in high-multiplicity pp collisions at $\sqrt{s} = 13$ TeV as a function of transverse sphericity**
Acharya S., Adamová D., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., Akindinov A., et al.
Journal of High Energy Physics, vol.2024, no.5, 2024 (SCI-Expanded)
- XXII. **Multiplicity-dependent production of $\Sigma(1385)^\pm$ and $\Xi(1530)^0$ in pp collisions at $\sqrt{s} = 13$ TeV**
Acharya S., Adamová D., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., Akindinov A., et al.
Journal of High Energy Physics, vol.2024, no.5, 2024 (SCI-Expanded)
- XXIII. **ALICE upgrades during the LHC Long Shutdown 2**

Acharya S., Hernandez R. A., Adamová D., Adler A., Adolfsen J., Aguiaro D., Rinella G. A., Agnello M., Agnese F., Agrawal N., et al.

Journal of Instrumentation, vol.19, no.5, 2024 (SCI-Expanded)

XXIV. **Measurement of inclusive charged-particle jet production in pp and p-Pb collisions at (Formula presented.)**

Acharya S., Adamová D., Adler A., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., et al.

Journal of High Energy Physics, vol.2024, no.5, 2024 (SCI-Expanded)

XXV. **First Measurement of the $|t|$ Dependence of Incoherent J/ψ Photonuclear Production**

Acharya S., Adamová D., Adler A., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., et al.

Physical Review Letters, vol.132, no.16, 2024 (SCI-Expanded)

XXVI. **Measurement of the fraction of jet longitudinal momentum carried by Λc^+ baryons in pp collisions**

Acharya S., Adamová D., Adler A., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., et al.

Physical Review D, vol.109, no.7, 2024 (SCI-Expanded)

XXVII. **$K^*(892)^\pm$ resonance production in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV**

Acharya S., Adamová D., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., Akindinov A., et al.

Physical Review C, vol.109, no.4, 2024 (SCI-Expanded)

XXVIII. **Modification of charged-particle jets in event-shape engineered Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV**

Acharya S., Adamová D., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., Akindinov A., et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.851, 2024 (SCI-Expanded)

XXIX. **Skewness and kurtosis of mean transverse momentum fluctuations at the LHC energies**

Acharya S., Adamová D., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., Akindinov A., et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.850, 2024 (SCI-Expanded)

XXX. **Multiplicity and event-scale dependent flow and jet fragmentation in pp collisions at $\sqrt{s} = 13$ TeV and in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV**

Acharya S., Adamová D., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., Akindinov A., et al.

Journal of High Energy Physics, vol.2024, no.3, 2024 (SCI-Expanded)

XXXI. **Pseudorapidity dependence of anisotropic flow and its decorrelations using long-range multiparticle correlations in Pb-Pb and Xe-Xe collisions**

Acharya S., Adamová D., Adler A., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.850, 2024 (SCI-Expanded)

XXXII. **Measurement of the radius dependence of charged-particle jet suppression in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV**

Acharya S., Adamová D., Adler A., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.849, 2024 (SCI-Expanded)

XXXIII. **Prompt and non-prompt J/ψ production at midrapidity in Pb-Pb collisions at (Formula presented.) TeV**

Acharya S., Adamová D., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., Akindinov A., et al.

Journal of High Energy Physics, vol.2024, no.2, 2024 (SCI-Expanded)

XXXIV. **Measurements of inclusive J/ψ production at midrapidity and forward rapidity in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV**

Acharya S., Adamová D., Adler A., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., et al.

et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.849, 2024 (SCI-Expanded)

- XXXV. **Femtoscopic correlations of identical charged pions and kaons in pp collisions at $\sqrt{s} = 13$ TeV with event-shape selection**
Acharya S., Adamová D., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., Akindinov A., et al.
Physical Review C, vol.109, no.2, 2024 (SCI-Expanded)
- XXXVI. **ALICE luminosity determination for Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV**
Acharya S., Adamová D., Adler A., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., et al.
Journal of Instrumentation, vol.19, no.2, 2024 (SCI-Expanded)
- XXXVII. **$\psi(2S)$ Suppression in Pb-Pb Collisions at the LHC**
Acharya S., Adamová D., Adler A., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., et al.
Physical Review Letters, vol.132, no.4, 2024 (SCI-Expanded)
- XXXVIII. **System-size dependence of the hadronic rescattering effect at energies available at the CERN Large Hadron Collider**
Acharya S., Adamová D., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., Akindinov A., et al.
Physical Review C, vol.109, no.1, 2024 (SCI-Expanded)
- XXXIX. **Measurement of the low-energy antitriton inelastic cross section**
Acharya S., Adamová D., Adler A., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.848, 2024 (SCI-Expanded)
- XL. **Charged-particle production as a function of the relative transverse activity classifier in pp, p-Pb, and Pb-Pb collisions at the LHC**
Acharya S., Adamová D., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., Akindinov A., et al.
Journal of High Energy Physics, vol.2024, no.1, 2024 (SCI-Expanded)
- XLI. **Measurements of long-range two-particle correlation over a wide pseudorapidity range in p-Pb collisions at $s_{NN} = 5.02$ TeV**
Acharya S., Adamová D., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., Akindinov A., et al.
Journal of High Energy Physics, vol.2024, no.1, 2024 (SCI-Expanded)
- XLII. **Probing the chiral magnetic wave with charge-dependent flow measurements in Pb-Pb collisions at the LHC**
Acharya S., Adamová D., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., Akindinov A., et al.
Journal of High Energy Physics, vol.2023, no.12, 2023 (SCI-Expanded)
- XLIII. **Exclusive and dissociative J/ψ photoproduction, and exclusive dimuon production, in p-Pb collisions at $s_{NN} = 8.16$ TeV**
Acharya S., Adamová D., Adler A., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., et al.
Physical Review D, vol.108, no.11, 2023 (SCI-Expanded)
- XLIV. **Charm production and fragmentation fractions at midrapidity in pp collisions at $\sqrt{s} = 13$ TeV**
Acharya S., Adamová D., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., Akindinov A., et al.
Journal of High Energy Physics, vol.2023, no.12, 2023 (SCI-Expanded)
- XLV. **Measurement of non-prompt D -meson elliptic flow in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV**
Acharya S., Adamová D., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., Akindinov A., et al.

European Physical Journal C, vol.83, no.12, 2023 (SCI-Expanded)

XLVI. Study of the p - p - K^+ and p - p - K^- dynamics using the femtoscopy technique

Acharya S., Adamová D., Adler A., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., et al.

European Physical Journal A, vol.59, no.12, 2023 (SCI-Expanded)

XLVII. Study of flavor dependence of the baryon-to-meson ratio in proton-proton collisions at $\sqrt{s} = 13$ TeV

Acharya S., Adamová D., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., Akindinov A., et al.

Physical Review D, vol.108, no.11, 2023 (SCI-Expanded)

XLVIII. Measurement of the production of (anti)nuclei in p -Pb collisions at $\sqrt{s_{NN}} = 8.16$ TeV

Acharya S., Adamová D., Adler A., Adolfsson J., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.846, 2023 (SCI-Expanded)

XLIX. Measurements of Groomed-Jet Substructure of Charm Jets Tagged by D^0 Mesons in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV

Acharya S., Adamová D., Adler A., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., et al.

Physical review letters, vol.131, no.19, pp.192301, 2023 (SCI-Expanded)

L. First measurement of prompt and non-prompt D^0 vector meson spin alignment in pp collisions at $\sqrt{s} = 13$ TeV

Acharya S., Adamová D., Adler A., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.846, 2023 (SCI-Expanded)

LI. Elliptic flow of charged particles at midrapidity relative to the spectator plane in Pb-Pb and Xe-Xe collisions

Acharya S., Adamová D., Adler A., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.846, 2023 (SCI-Expanded)

LII. First measurement of Ω_c^0 production in pp collisions at $\sqrt{s} = 13$ TeV

Acharya S., Adamová D., Adler A., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.846, 2023 (SCI-Expanded)

LIII. Measurement of beauty-strange meson production in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV via non-prompt D_s^+ mesons

Acharya S., Adamová D., Adler A., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.846, 2023 (SCI-Expanded)

LIV. Photoproduction of low- p_T J/ψ from peripheral to central Pb-Pb collisions at 5.02 TeV

Acharya S., Adamová D., Adler A., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.846, 2023 (SCI-Expanded)

LV. $f_0(980)$ production in inelastic pp collisions at $\sqrt{s} = 5.02$ TeV

Acharya S., Adamová D., Adler A., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.846, 2023 (SCI-Expanded)

LVI. Measurements of azimuthal anisotropies at forward and backward rapidity with muons in high-multiplicity p -Pb collisions at $\sqrt{s_{NN}} = 8.16$ TeV

Acharya S., Adamová D., Adler A., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.846, 2023 (SCI-Expanded)

LVII. Higher-order correlations between different moments of two flow amplitudes in Pb-Pb collisions at

sNN = 5.02 TeV

Acharya S., Adamová D., Adler A., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., et al.

Physical Review C, vol.108, no.5, 2023 (SCI-Expanded)

LVIII. Data-driven precision determination of the material budget in ALICE

Acharya S., Adamová D., Adler A., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., et al.

Journal of Instrumentation, vol.18, no.11, 2023 (SCI-Expanded)

LIX. Accessing the strong interaction between Λ baryons and charged kaons with the femtoscopy technique at the LHC

Acharya S., Adamová D., Adler A., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.845, 2023 (SCI-Expanded)

LX. System-size dependence of the charged-particle pseudorapidity density at sNN=5.02TeV for pp, p-Pb, and Pb-Pb collisions

Acharya S., Adamová D., Adler A., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.845, 2023 (SCI-Expanded)

LXI. Multiplicity dependence of charged-particle production in pp, p-Pb, Xe-Xe and Pb-Pb collisions at the LHC

Acharya S., Adamová D., Adler A., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.845, 2023 (SCI-Expanded)

LXII. Measurement of inclusive J/ψ pair production cross section in pp collisions at $s = 13$ TeV

Acharya S., Adamová D., Adler A., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., et al.

Physical Review C, vol.108, no.4, 2023 (SCI-Expanded)

LXIII. Measurement of the non-prompt D-meson fraction as a function of multiplicity in proton-proton collisions at $\sqrt{s} = 13$ TeV

Acharya S., Adamová D., Adler A., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., et al.

Journal of High Energy Physics, vol.2023, no.10, 2023 (SCI-Expanded)

LXIV. Energy dependence of coherent photonuclear production of J/ψ mesons in ultra-peripheral Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV

Acharya S., Adamová D., Adler A., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., et al.

Journal of High Energy Physics, vol.2023, no.10, 2023 (SCI-Expanded)

LXV. Pseudorapidity densities of charged particles with transverse momentum thresholds in pp collisions at $s = 5.02$ and 13 TeV

Acharya S., Adamová D., Adler A., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., et al.

Physical Review D, vol.108, no.7, 2023 (SCI-Expanded)

LXVI. First measurement of the Λ - Ξ interaction in proton-proton collisions at the LHC

Acharya S., Adamová D., Adler A., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., et al.

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LXVII. Closing in on critical net-baryon fluctuations at LHC energies: Cumulants up to third order in Pb-Pb collisions

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- LXVIII. **Measurement of the Lifetime and Λ Separation Energy of HA3**
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- LXIX. **Measurement of electrons from beauty-hadron decays in pp and Pb-Pb collisions at $\sqrt{s_{\text{NN}}} = 5.02$ TeV**
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- LXX. **Study of charged particle production at high pT using event topology in pp, p-Pb and Pb-Pb collisions at $\sqrt{s_{\text{NN}}} = 5.02$ TeV**
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- LXXI. **Azimuthal correlations of heavy-flavor hadron decay electrons with charged particles in pp and p-Pb collisions at $\sqrt{s_{\text{NN}}} = 5.02$ TeV**
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- LXXII. **Performance of the ALICE Electromagnetic Calorimeter**
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- LXXIV. **Inclusive and multiplicity dependent production of electrons from heavy-flavour hadron decays in pp and p-Pb collisions**
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- LXXV. **Enhanced Deuteron Coalescence Probability in Jets**
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- LXXVI. **First Measurement of Antideuteron Number Fluctuations at Energies Available at the Large Hadron Collider**
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- LXXVII. **Measurement of the J/ψ Polarization with Respect to the Event Plane in Pb-Pb Collisions at the LHC**
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- LXXVIII. **J/ψ production at midrapidity in p-Pb collisions at $\sqrt{s_{\text{NN}}} = 8.16$ TeV**
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- LXXIX. **Symmetry plane correlations in Pb-Pb collisions at $\sqrt{s_{\text{NN}}} = 2.76$ TeV**
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- LXXX. **Towards the understanding of the genuine three-body interaction for p-p-p and p-p- Λ**
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- LXXXI. **Inclusive photon production at forward rapidities in pp and p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV**
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- LXXXII. **Measurement of the angle between jet axes in pp collisions at $\sqrt{s} = 5.02$ TeV**
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- LXXXIII. **Production of K_S^0 , Λ (Λ^-), Ξ^\pm , and Ω^\pm in jets and in the underlying event in pp and p-Pb collisions**
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- LXXXIV. **Underlying-event properties in pp and p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV**
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- LXXXV. **Anisotropic flow and flow fluctuations of identified hadrons in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV**
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- LXXXVI. **Measurement of the production of charm jets tagged with D^0 mesons in pp collisions at $\sqrt{s} = 5.02$ and 13 TeV**
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- LXXXVII. **Multiplicity and rapidity dependence of $K^*(892)$ and $\phi(1020)$ production in p-Pb collisions at $\sqrt{s_{NN}}= 5.02$ TeV**
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- LXXXIX. **Light (anti)nuclei production in Pb-Pb collisions at $s_{NN} = 5.02$ TeV**
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- XC. **First measurement of Λ_c^+ production down to $p_T=0$ in pp and p-Pb collisions at $s_{NN} = 5.02$ TeV**
Acharya S., Adamová D., Adler A., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., et al.
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- XC. **Measurement of inclusive and leading subjet fragmentation in pp and Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV**
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- XCII. **Measurement of ψ ($2S$) production as a function of charged-particle pseudorapidity density in pp collisions at $\sqrt{s} = 13$ TeV and p-Pb collisions at $\sqrt{s_{NN}} = 8.16$ TeV with ALICE at the LHC**
Acharya S., Adamová D., Adler A., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., et al.
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- XCIII. **Neutron emission in ultraperipheral Pb-Pb collisions at $s_{NN} = 5.02$ TeV**
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- XCIV. **Dielectron production at midrapidity at low transverse momentum in peripheral and semi-peripheral Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV**
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- XCV. **Measurements of the groomed jet radius and momentum splitting fraction with the soft drop and dynamical grooming algorithms in pp collisions at $\sqrt{s} = 5.02$ TeV**
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- XCVI. **Jet-like correlations with respect to KS^0 and Λ (Λ^+) in pp and central Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV**
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- XCVII. **Observation of flow angle and flow magnitude fluctuations in Pb-Pb collisions at $s_{NN} = 5.02$ TeV at the CERN Large Hadron Collider**
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- XCVIII. **Two-particle transverse momentum correlations in pp and p-Pb collisions at energies available at the CERN Large Hadron Collider**
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- XCIX. **Investigation of K+K- interactions via femtoscopy in Pb-Pb collisions at $s_{NN} = 2.76$ TeV at the CERN Large Hadron Collider**
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- C. **Σ (1385) \pm resonance production in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV**
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- CI. **$K^*(892)^0$ and $\phi(1020)$ production in p-Pb collisions at $s_{NN} = 8.16$ TeV**
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- CII. **W^\pm -boson production in p-Pb collisions at $\sqrt{s_{NN}} = 8.16$ TeV and Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV**

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CIII. **Constraining hadronization mechanisms with $\Lambda_c^+/D0$ production ratios in Pb–Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV**

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CIV. **Constraining the K^-N coupled channel dynamics using femtoscopic correlations at the LHC**

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CVI. **Measurement of anti- ^3He nuclei absorption in matter and impact on their propagation in the Galaxy**

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CVII. **Measurement of beauty production via non-prompt $D0$ mesons in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV**

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CVIII. **Characterizing the initial conditions of heavy-ion collisions at the LHC with mean transverse momentum and anisotropic flow correlations**

Acharya S., Adamová D., Adler A., Adolfsen J., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., et al.

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CIX. **Exploring the $N\Lambda-N\Sigma$ coupled system with high precision correlation techniques at the LHC**

Acharya S., Adamová D., Adler A., Adolfsen J., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., et al.

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CX. **$KS0K0$ and $KS0K^\pm$ femtoscopy in pp collisions at $\sqrt{s}=5.02$ and 13 TeV**

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CXI. **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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CXII. **Neutral to charged kaon yield fluctuations in Pb – Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV**

Acharya S., Adamová D., Adler A., Adolfsen J., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., et al.

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CXIII. **First study of the two-body scattering involving charm hadrons**

Acharya S., Adamová D., Adler A., Adolfsen J., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., et al.

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- CXIV. Production of $K^*(892)0$ and $\phi(1020)$ in pp and Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV**
 Acharya S., Adamová D., Adler A., Adolfsson J., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., et al.
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- CXV. Study of very forward energy and its correlation with particle production at midrapidity in pp and p-Pb collisions at the LHC**
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- CXVI. Hypertriton Production in p-Pb Collisions at $\sqrt{s_{NN}} = 5.02$ TeV**
 Acharya S., Adamová D., Adler A., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., et al.
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- CXVII. Investigating the role of strangeness in baryon-antibaryon annihilation at the LHC**
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- CXVIII. Observation of a multiplicity dependence in the pT-differential charm baryon-to-meson ratios in proton-proton collisions at $\sqrt{s} = 13$ TeV**
 Acharya S., Adamová D., Adler A., Adolfsson J., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., et al.
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- CXIX. Inclusive, prompt and non-prompt J/ψ production at midrapidity in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV**
 Acharya S., Adamová D., Adler A., Adolfsson J., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., et al.
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- CXX. Multiplicity dependence of charged-particle jet production in pp collisions at $\sqrt{s} = 13$ TeV**
 Acharya S., Adamová D., Adler A., Adolfsson J., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., et al.
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- CXXI. Forward rapidity J/ψ production as a function of charged-particle multiplicity in pp collisions at $\sqrt{s} = 5.02$ and 13 TeV**
 Acharya S., Adamová D., Adler A., Adolfsson J., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., et al.
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- CXXII. Direct observation of the dead-cone effect in quantum chromodynamics**
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- CXXIII. Measurement of $K^*(892)^\pm$ production in inelastic pp collisions at the LHC**
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- CXXIV. Measurements of the groomed and ungroomed jet angularities in pp collisions at $\sqrt{s} = 5.02$ TeV**
 Acharya S., Adamová D., Adler A., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., et al.
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- CXXV. Polarization of Λ and $\bar{\Lambda}$ Hyperons along the Beam Direction in Pb-Pb Collisions at $\sqrt{s_{NN}} = 5.02$ TeV**
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- CXXXVI. **Nuclear modification factor of light neutral-meson spectra up to high transverse momentum in p-Pb collisions at $\sqrt{s_{NN}}=8.16$ TeV**
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- CXXXVII. **Production of Λ and K_S^0 in jets in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV and pp collisions at $\sqrt{s}=7$ TeV**
Acharya S., Adamová D., Adler A., Adolfsson J., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., et al.
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- CXXXVIII. **Measurement of prompt D_s^+ -meson production and azimuthal anisotropy in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV**
Acharya S., Adamová D., Adler A., Adolfsson J., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., et al.
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- CXXXIX. **Production of light (anti)nuclei in pp collisions at $\sqrt{s}=5.02$ TeV**
Acharya S., Adamová D., Adler A., Adolfsson J., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., et al.
European Physical Journal C, vol.82, no.4, 2022 (SCI-Expanded)
- CXXX. **Investigating charm production and fragmentation via azimuthal correlations of prompt D mesons with charged particles in pp collisions at $\sqrt{s}=13$ TeV**
Acharya S., Adamová D., Adler A., Adolfsson J., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., et al.
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- CXXXI. **Measurement of the Groomed Jet Radius and Momentum Splitting Fraction in pp and Pb-Pb Collisions at $\sqrt{s_{NN}}=5.02$ TeV**
Acharya S., Adamová D., Adler A., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., et al.
Physical Review Letters, vol.128, no.10, 2022 (SCI-Expanded)
- CXXXII. **Prompt and non-prompt J/ψ production cross sections at midrapidity in proton-proton collisions at $\sqrt{s}=5.02$ and 13 TeV**
Acharya S., Adamová D., Adler A., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., et al.
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- CXXXIII. **Measurement of Prompt D^0 , Λ_c^+ , and Σ_c^0 , $^{++}$ (2455) Production in Proton-Proton Collisions at $\sqrt{s}=13$ TeV**
Acharya S., Adamová D., Adler A., Adolfsson J., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S. U., et al.
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- CXXXIV. **Prompt D^0 , D^+ , and D^{*+} production in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV**
Acharya S., Adamová D., Adler A., Adolfsson J., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., et al.
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- CXXXV. **Production of light (anti)nuclei in pp collisions at $\sqrt{s}=13$ TeV**
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- CXXXVI. **Measurement of inclusive charged-particle b-jet production in pp and p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV**
Acharya S., Adamová D., Adler A., Adolfsson J., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., et al.

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- CXXXVII. **Charm-quark fragmentation fractions and production cross section at midrapidity in pp collisions at the LHC**
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- CXXXVIII. **Measurement of the Cross Sections of $\Xi c0$ and $\Xi c+$ Baryons and of the Branching-Fraction Ratio $BR(\Xi c0 \rightarrow \Xi e+ve)/BR(\Xi c0 \rightarrow \Xi \pi+)$ in pp Collisions at $s = 13$ TeV**
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- CXXXIX. **Inclusive J / ψ production at midrapidity in pp collisions at $\sqrt{s}=13$ TeV**
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- CXL. **$\Lambda c+$ Production and Baryon-to-Meson Ratios in pp and p -Pb Collisions at $s_{NN} = 5.02$ TeV at the LHC**
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- CXLI. **Υ production and nuclear modification at forward rapidity in Pb-Pb collisions at $s_{NN}=5.02$ TeV**
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- CXLII. **Kaon-proton strong interaction at low relative momentum via femtoscopy in Pb-Pb collisions at the LHC**
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- CXLIII. **$\Lambda c+$ production in pp and in p -Pb collisions at $s_{NN} = 5.02$ TeV**
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- CXLIV. **Charged-particle multiplicity fluctuations in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV**
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- CXLV. **Experimental Evidence for an Attractive p- ϕ Interaction**
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- CXLVI. **K_S0 - and (anti-) Λ -hadron correlations in pp collisions at $\sqrt{s}=13$ TeV**
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- CXLVII. **First measurements of N-subjettiness in central Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV**
Acharya S., Adamová D., Adler A., Adolphsson J., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., et al.
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- CXLVIII. **Measurement of the production cross section of prompt $\Xi c0$ baryons at midrapidity in pp collisions at $\sqrt{s} = 5.02$ TeV**
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CXLIX. Anisotropic flow of identified hadrons in Xe-Xe collisions at $\sqrt{s_{NN}} = 5.44$ TeV

Acharya S., Adamová D., Adler A., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Ahuja I., et al.

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CL. First measurement of coherent p_0 photoproduction in ultra-peripheral Xe-Xe collisions at $s_{NN}=5.44$ TeV

Acharya S., Adamová D., Adler A., Adolfsson J., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., et al.

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CLI. Production of muons from heavy-flavour hadron decays at high transverse momentum in Pb-Pb collisions at $s_{NN}=5.02$ and 2.76 TeV

Acharya S., Adamová D., Adler A., Adolfsson J., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., et al.

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CLII. Jet fragmentation transverse momentum distributions in pp and p-Pb collisions at \sqrt{s} , $\sqrt{s_{NN}} = 5.02$ TeV

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CLIII. Multiharmonic Correlations of Different Flow Amplitudes in Pb-Pb Collisions at $s_{NN} = 2.76$ TeV

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CLIV. Inclusive heavy-flavour production at central and forward rapidity in Xe-Xe collisions at $s_{NN}=5.44$ TeV

Acharya S., Adamová D., Adler A., Adolfsson J., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., et al.

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CLV. Jet-associated deuteron production in pp collisions at $s=13$ TeV

Acharya S., Adamová D., Adler A., Adolfsson J., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., et al.

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CLVI. Coherent J/ψ and ψ' photoproduction at midrapidity in ultra-peripheral Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV

Acharya S., Adamová D., Adler A., Adolfsson J., Rinella G. A., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., et al.

European Physical Journal C, vol.81, no.8, 2021 (SCI-Expanded)

CLVII. Energy dependence of ϕ meson production at forward rapidity in pp collisions at the LHC

Acharya S., Adamová D., Adler A., Adolfsson J., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., et al.

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CLVIII. Soft-Dielectron Excess in Proton-Proton Collisions at $s = 13$ TeV

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Physical Review Letters, vol.127, no.4, 2021 (SCI-Expanded)

CLIX. Measurements of mixed harmonic cumulants in Pb-Pb collisions at $s_{NN}=5.02$ TeV

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- CLX. **Production of pions, kaons, (anti-)protons and ϕ mesons in Xe–Xe collisions at $\sqrt{s_{NN}} = 5.44$ TeV**
 Acharya S., Adamová D., Adler A., Adolfsson J., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., et al.
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- CLXI. **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**
 Acharya S., Adamová D., Adler A., Adolfsson J., Aggarwal M., Agha S., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., et al.
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- CLXII. **First measurement of the $|t|$ -dependence of coherent J/ψ photonuclear production**
 Acharya S., Adamová D., Adler A., Adolfsson J., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., et al.
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- CLXIII. **k_T femtoscopy in Pb–Pb collisions at $s_{NN} = 2.76$ TeV**
 Acharya S., Adamová D., Adler A., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., et al.
 Physical Review C, vol.103, no.5, 2021 (SCI-Expanded)
- CLXIV. **Measurement of beauty and charm production in pp collisions at $\sqrt{s} = 5.02$ TeV via non-prompt and prompt D mesons**
 Acharya S., Adamová D., Adler A., Adolfsson J., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., et al.
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- CLXV. **Long- and short-range correlations and their event-scale dependence in high-multiplicity pp collisions at $\sqrt{s} = 13$ TeV**
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- CLXVI. **Elliptic Flow of Electrons from Beauty-Hadron Decays in Pb–Pb Collisions at $s_{NN} = 5.02$ TeV**
 Acharya S., Adamová D., Adler A., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., et al.
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- CLXVII. **First measurement of quarkonium polarization in nuclear collisions at the LHC**
 Acharya S., Adamová D., Adler A., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., et al.
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- CLXVIII. **Production of light-flavor hadrons in pp collisions at $\sqrt{s}=7$ and $\sqrt{s}=13$ TeV**
 Acharya S., Adamová D., Adler A., Adolfsson J., Aggarwal M., Rinella G. A., Agnello M., Agrawal N., Ahammed Z., Ahmad S., et al.
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- CLXIX. **Pion–kaon femtoscopy and the lifetime of the hadronic phase in Pb–Pb collisions at $s_{NN}=2.76$ TeV**
 Acharya S., Adamová D., Adler A., Adolfsson J., Aggarwal M., Agha S., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., et al.
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- CLXX. **Transverse-momentum and event-shape dependence of D-meson flow harmonics in Pb–Pb collisions at $s_{NN}=5.02$ TeV**
 Acharya S., Adamová D., Adler A., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., et al.
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- CLXXI. **Centrality dependence of J/ψ and $\psi(2S)$ production and nuclear modification in p–Pb collisions at $\sqrt{s_{NN}} = 8.16$ TeV**
 Acharya S., Adamová D., Adler A., Adolfsson J., Aggarwal M., Agha S., Aglieri Rinella G., Agnello M., Agrawal N.,

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- CLXXII. **ALICE Collaboration**
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- CLXXIII. **Search for a common baryon source in high-multiplicity pp collisions at the LHC**
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- CLXXIV. **Production of ω mesons in pp collisions at $\sqrt{s}=7\text{TeV}$**
Acharya S., Adamová D., Adler A., Adolphsson J., Aggarwal M., Agha S., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., et al.
European Physical Journal C, vol.80, no.12, 2020 (SCI-Expanded)
- CLXXV. **Dielectron production in proton-proton and proton-lead collisions at $s_{NN} = 5.02\text{ TeV}$**
Acharya S., Adamová D., Adler A., Adolphsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., et al.
Physical Review C, vol.102, no.5, 2020 (SCI-Expanded)
- CLXXVI. **Elliptic and triangular flow of (anti)deuterons in Pb-Pb collisions at $s_{NN} = 5.02\text{ TeV}$**
Acharya S., Adamová D., Adler A., Adolphsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., et al.
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- CLXXVII. **Multiplicity dependence of inclusive J/ψ production at midrapidity in pp collisions at $s=13\text{ TeV}$**
Acharya S., Adamová D., Adler A., Adolphsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., et al.
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- CLXXVIII. **Measurement of isolated photon-hadron correlations in $s_{NN} = 5.02\text{ TeV}$ pp and p-Pb collisions**
Acharya S., Adamová D., Adler A., Adolphsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., et al.
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- CLXXIX. **Measurement of the Low-Energy Antideuteron Inelastic Cross Section**
Acharya S., Adamová D., Adler A., Adolphsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., et al.
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- CLXXX. **Azimuthal correlations of prompt D mesons with charged particles in pp and p-Pb collisions at $\sqrt{s_{NN}}=5.02\text{TeV}$**
Acharya S., Adamová D., Adler A., Adolphsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., et al.
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- CLXXXI. **J/ψ elliptic and triangular flow in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02\text{ TeV}$**
Acharya S., Adamová D., Adler A., Adolphsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., et al.
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- CLXXXII. **Constraining the Chiral Magnetic Effect with charge-dependent azimuthal correlations in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ and 5.02 TeV**
Acharya S., Adamová D., Adler A., Adolphsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., et al.
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- CLXXXIII. **(Anti-)deuteron production in pp collisions at $\sqrt{s}=13\text{TeV}$**
Acharya S., Adamová D., Adler A., Adolphsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., et al.

- European Physical Journal C, vol.80, no.9, 2020 (SCI-Expanded)
- CLXXXIV. **Z-boson production in p-Pb collisions at $\sqrt{s_{NN}} = 8.16$ TeV and Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV**
Acharya S., Adamová D., Adler A., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., et al.
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- CLXXXV. **J/ ψ production as a function of charged-particle multiplicity in p-Pb collisions at $\sqrt{s_{NN}} = 8.16$ TeV**
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- CLXXXVI. **Multiplicity dependence of $K^*(892)0$ and $\phi(1020)$ production in pp collisions at $s=13$ TeV**
Acharya S., Adamová D., Adler A., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., et al.
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- CLXXXVII. **Global baryon number conservation encoded in net-proton fluctuations measured in Pb-Pb collisions at $s_{NN}=2.76$ TeV**
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- .LXXXVIII. **Multiplicity dependence of π , K, and p production in pp collisions at $\sqrt{s}=13$ TeV**
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- CLXXXIX. **$K^*(892)0$ and $\phi(1020)$ production at midrapidity in pp collisions at $s = 8$ TeV**
Acharya S., Adamová D., Adhya S., Adler A., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., et al.
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- CXC. **Probing the Effects of Strong Electromagnetic Fields with Charge-Dependent Directed Flow in Pb-Pb Collisions at the LHC**
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- CXCI. **Y production in p-Pb collisions at $s_{NN}=8.16$ TeV**
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- CXCII. **Evidence of Spin-Orbital Angular Momentum Interactions in Relativistic Heavy-Ion Collisions**
Acharya S., Adamová D., Adler A., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., et al.
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- CXCIII. **Measurement of nuclear effects on $\psi(2S)$ production in p-Pb collisions at $\sqrt{s_{NN}} = 8.16$ TeV**
Acharya S., Adamová D., Adler A., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., et al.
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- CXCIV. **Investigation of the p- $\Sigma 0$ interaction via femtoscopy in pp collisions**
Acharya S., Adamová D., Adler A., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., et al.
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- CXCVI. **Centrality and transverse momentum dependence of inclusive J/ψ production at midrapidity in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV**
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- CXCVII. **Non-linear flow modes of identified particles in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV**
 Acharya S., Adamová D., Adler A., Adolfsen J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., et al.
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- CXCVIII. **Jet-hadron correlations measured relative to the second order event plane in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV**
 Acharya S., Adamová D., Adler A., Adolfsen J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., et al.
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- CXCIX. **Coherent photoproduction of ρ^0 vector mesons in ultra-peripheral Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV**
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- CC. **Longitudinal and azimuthal evolution of two-particle transverse momentum correlations in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV**
 Acharya S., Adamová D., Adler A., Adolfsen J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., et al.
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- CCXXXIII. **Measurement of the production of charm jets tagged with D0 mesons in pp collisions at $\sqrt{s}=7$ TeV**
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- CCXLVI. **Measurement of dielectron production in central Pb–Pb collisions at $s_{NN}=2.76$ TeV**
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- CCXLVII. **p–p, p– Λ , and Λ – Λ correlations studied via femtoscopy in pp reactions at $s=7$ TeV**
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- CCLIII. **Study of J/ψ azimuthal anisotropy at forward rapidity in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV**
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- CCLIV. **Transverse momentum spectra and nuclear modification factors of charged particles in Xe-Xe collisions at $s_{NN}=5.44$ TeV**
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- CCLVI. **Charged jet cross section and fragmentation in proton-proton collisions at $s=7$ TeV**
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- CCLVII. **Transverse momentum spectra and nuclear modification factors of charged particles in pp, p-Pb and Pb-Pb collisions at the LHC**
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- CCLXI. **Medium modification of the shape of small-radius jets in central Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV**
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- CCLXII. **Measurement of D^0 , D^+ , D^{*+} and D_s^+ production in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV**
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- CCLXIV. **Anisotropic flow in Xe–Xe collisions at $\sqrt{s_{NN}}=5.44$ TeV**
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- CCLXVII. **Constraints on jet quenching in p–Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV measured by the event-activity dependence of semi-inclusive hadron-jet distributions**
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- CCLXVIII. **Neutral pion and η meson production in p–Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV**
Acharya S., Adamová D., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahn S., Aiola S., et al.
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- CCLXIX. **Inclusive J/ψ production at forward and backward rapidity in p–Pb collisions at $\sqrt{s_{NN}}=8.16$ TeV**
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Journal of High Energy Physics, vol.2018, no.7, 2018 (SCI-Expanded)
- CCLXX. **Measurement of the inclusive J/ψ polarization at forward rapidity in pp collisions at $\sqrt{s}=8$ TeV**
Acharya S., Acosta F., Adamová D., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahn S., et al.
European Physical Journal C, vol.78, no.7, 2018 (SCI-Expanded)
- CCLXXI. **ϕ meson production at forward rapidity in Pb–Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV**
Acharya S., Acosta F., Adamová D., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahn S., et al.
European Physical Journal C, vol.78, no.7, 2018 (SCI-Expanded)
- CCLXXII. **Energy dependence and fluctuations of anisotropic flow in Pb–Pb collisions at $\sqrt{s_{NN}}=5.02$ and 2.76 TeV**
Acharya S., Acosta F., Adamová D., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahn S., et al.
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- CCLXXIII. **Longitudinal asymmetry and its effect on pseudorapidity distributions in Pb–Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV**
Acharya S., Adam J., Adamová D., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad N., et al.
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- CCLXXIV. **First measurement of Ξ_c^0 production in pp collisions at $\sqrt{s}=7$ TeV**
Acharya S., Adamová D., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahn S., et al.

- Aiola S., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.781, pp.8-19, 2018 (SCI-Expanded)
- CCLXXV. **Prompt and non-prompt J/ψ production and nuclear modification at mid-rapidity in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV**
Acharya S., Acosta F., Adamová D., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahn S., et al.
European Physical Journal C, vol.78, no.6, 2018 (SCI-Expanded)
- CCLXXVI. **Search for collectivity with azimuthal J/ψ -hadron correlations in high multiplicity p-Pb collisions at $s_{NN}=5.02$ and 8.16 TeV**
Acharya S., Adamová D., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahn S., Aiola S., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.780, pp.7-20, 2018 (SCI-Expanded)
- CCLXXVII. **Measurement of Z0-boson production at large rapidities in Pb-Pb collisions at $s_{NN}=5.02$ TeV**
Acharya S., Adamová D., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahn S., Aiola S., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.780, pp.372-383, 2018 (SCI-Expanded)
- CCLXXVIII. **Λ c+ production in pp collisions at $\sqrt{s}=7$ TeV and in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV**
Acharya S., Acosta F., Adamová D., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahn S., et al.
Journal of High Energy Physics, vol.2018, no.4, 2018 (SCI-Expanded)
- CCLXXIX. **D-Meson Azimuthal Anisotropy in Midcentral Pb-Pb Collisions at $s_{NN}=5.02$ TeV**
Acharya S., Adamová D., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad N., Ahn S., et al.
Physical Review Letters, vol.120, no.10, 2018 (SCI-Expanded)
- CCLXXX. **π^0 and η meson production in proton-proton collisions at $\sqrt{s}=8$ TeV**
Acharya S., Adam J., Adamová D., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad N., et al.
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- CCLXXXI. **Production of 4He and He^{-4} in Pb-Pb collisions at $s_{NN}=2.76$ TeV at the LHC**
Acharya S., Adamová D., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahn S., Aiola S., et al.
Nuclear Physics A, vol.971, pp.1-20, 2018 (SCI-Expanded)
- CCLXXXII. **Production of deuterons, tritons, He^3 nuclei, and their antinuclei in pp collisions at $s = 0.9, 2.76,$ and 7 TeV**
Acharya S., Adam J., Adamová D., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad N., et al.
Physical Review C, vol.97, no.2, 2018 (SCI-Expanded)
- CCLXXXIII. **Systematic studies of correlations between different order flow harmonics in Pb-Pb collisions at $s_{NN} = 2.76$ TeV**
Acharya S., Adam J., Adamová D., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad N., et al.
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- CCLXXXIV. **The ALICE transition radiation detector: Construction, operation, and performance**
Acharya S., Adam J., Adamová D., Adler C., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., et al.
Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, vol.881, pp.88-127, 2018 (SCI-Expanded)
- CCLXXXV. **Constraining the magnitude of the Chiral Magnetic Effect with Event Shape Engineering in Pb-Pb**

collisions at $\sqrt{s_{NN}}=2.76$ TeV

Acharya S., Adam J., Adamová D., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad N., et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.777, pp.151-162, 2018 (SCI-Expanded)

CLXXXVI. J/ψ production as a function of charged-particle pseudorapidity density in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV

Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad N., Ahn S., Aiola S., Akindinov A., et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.776, pp.91-104, 2018 (SCI-Expanded)

CLXXXVII. First measurement of jet mass in Pb-Pb and p-Pb collisions at the LHC

Acharya S., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad N., Ahn S., Aiola S., et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.776, pp.249-264, 2018 (SCI-Expanded)

LXXXVIII. Kaon femtoscopy in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV

Acharya S., Adam J., Adamová D., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad N., et al.

Physical Review C, vol.96, no.6, 2017 (SCI-Expanded)

CLXXXIX. J/ψ Elliptic Flow in Pb-Pb Collisions at $\sqrt{s_{NN}}=5.02$ TeV

Acharya S., Adamová D., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahn S., Aiola S., et al.

Physical Review Letters, vol.119, no.24, 2017 (SCI-Expanded)

CCXC. Charged-particle multiplicity distributions over a wide pseudorapidity range in proton-proton collisions at $\sqrt{s}=0.9, 7,$ and 8 TeV

Acharya S., Adamová D., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad N., Ahn S., et al.

European Physical Journal C, vol.77, no.12, 2017 (SCI-Expanded)

CCXCI. Measuring $K_S^0 K^\pm$ interactions using Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV

Acharya S., Adamová D., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad N., Ahn S., et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.774, pp.64-77, 2017 (SCI-Expanded)

CCXCII. ALICE Collaboration

Acharya S., Adam J., Adamová D., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad N., et al.

Nuclear Physics A, vol.967, pp.932-941, 2017 (SCI-Expanded)

CCXCIII. Linear and non-linear flow mode in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV

Acharya S., Adamová D., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad N., Ahn S., et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.773, pp.68-80, 2017 (SCI-Expanded)

CCXCIV. Measurement of deuteron spectra and elliptic flow in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV at the LHC

Acharya S., Adamová D., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad N., Ahn S., et al.

European Physical Journal C, vol.77, no.10, 2017 (SCI-Expanded)

CCXCV. Centrality dependence of the pseudorapidity density distribution for charged particles in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV

Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Aiola S.,

et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.772, pp.567-577, 2017 (SCI-Expanded)

CCXCVI. Evolution of the longitudinal and azimuthal structure of the near-side jet peak in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV

Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Aiola S., et al.

Physical Review C, vol.96, no.3, 2017 (SCI-Expanded)

CCXCVII. Anomalous Evolution of the Near-Side Jet Peak Shape in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV

Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Aiola S., et al.

Physical Review Letters, vol.119, no.10, 2017 (SCI-Expanded)

CCXCVIII. Searches for transverse momentum dependent flow vector fluctuations in Pb-Pb and p-Pb collisions at the LHC

Acharya S., Adamová D., Adolphsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad N., Ahn S., et al.

Journal of High Energy Physics, vol.2017, no.9, 2017 (SCI-Expanded)

CCXCIX. Measurement of D-meson production at mid-rapidity in pp collisions at $\sqrt{s} = 7$ TeV

Acharya S., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad N., Ahn S., Aiola S., et al.

European Physical Journal C, vol.77, no.8, 2017 (SCI-Expanded)

CCC. Measurement of the production of high-pT electrons from heavy-flavour hadron decays in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV

Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Aiola S., et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.771, pp.467-481, 2017 (SCI-Expanded)

CCCI. Production of muons from heavy-flavour hadron decays in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV

Acharya S., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad N., Ahn S., Aiola S., et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.770, pp.459-472, 2017 (SCI-Expanded)

CCCII. Measurement of electrons from beauty-hadron decays in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV and Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV

The ALICE collaboration A., Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., et al.

Journal of High Energy Physics, vol.2017, no.7, 2017 (SCI-Expanded)

CCCIII. $K^*(892)0$ and $\phi(1020)$ meson production at high transverse momentum in pp and Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV

Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Aiola S., et al.

Physical Review C, vol.95, no.6, 2017 (SCI-Expanded)

CCCIV. Azimuthally Differential Pion Femtoscopy in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV

Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Aiola S., Akindinov A., et al.

Physical Review Letters, vol.118, no.22, 2017 (SCI-Expanded)

CCCV. Energy dependence of forward-rapidity J/ψ and $\psi(2S)$ production in pp collisions at the LHC

Acharya S., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad N., Ahn S., Aiola S., et al.

European Physical Journal C, vol.77, no.6, 2017 (SCI-Expanded)

CCCVI. Production of $\Sigma(1385)^\pm$ and $\Xi(1530)0$ in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV

- Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Aiola S., Akindinov A., et al.
European Physical Journal C, vol.77, no.6, 2017 (SCI-Expanded)
- CCCVII. **Addendum to: Centrality dependence of high-pT D-meson suppression in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV**
Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahn S., Aimo I., Aiola S., et al.
Journal of High Energy Physics, vol.2017, no.6, 2017 (SCI-Expanded)
- CCCVIII. **ϕ -Meson production at forward rapidity in p-Pb collisions at $s_{NN}=5.02$ TeV and in pp collisions at $s=2.76$ TeV**
Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahn S., Aimo I., Aiola S., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.768, pp.203-217, 2017 (SCI-Expanded)
- CCCIX. **Flow Dominance and Factorization of Transverse Momentum Correlations in Pb-Pb Collisions at the LHC**
Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Aiola S., et al.
Physical Review Letters, vol.118, no.16, 2017 (SCI-Expanded)
- CCCX. **Measurement of azimuthal correlations of D mesons with charged particles in pp collisions at $\sqrt{s}=7$ TeV and p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV**
Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Aiola S., et al.
European Physical Journal C, vol.77, no.4, 2017 (SCI-Expanded)
- CCCXI. **J/ ψ suppression at forward rapidity in Pb-Pb collisions at $s_{NN}=5.02$ TeV**
Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Aiola S., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.766, pp.212-224, 2017 (SCI-Expanded)
- CCCXII. **Determination of the event collision time with the ALICE detector at the LHC**
Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Aiola S., et al.
European Physical Journal Plus, vol.132, no.2, 2017 (SCI-Expanded)
- CCCXIII. **W and Z boson production in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV**
Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Aiola S., et al.
Journal of High Energy Physics, vol.2017, no.2, 2017 (SCI-Expanded)
- CCCXIV. **Jet-like correlations with neutral pion triggers in pp and central Pb-Pb collisions at 2.76 TeV**
Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Aiola S., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.763, pp.238-250, 2016 (SCI-Expanded)
- CCCXV. **ALICE Collaboration**
Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahn S., Aiola S., Akindinov A., et al.
Nuclear Physics A, vol.956, pp.913-921, 2016 (SCI-Expanded)
- CCCXVI. **D-meson production in p-Pb collisions at $s_{NN}=5.02$ TeV and in pp collisions at $s=7$ TeV**
Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Aiola S., et al.
Physical Review C, vol.94, no.5, 2016 (SCI-Expanded)
- CCCXVII. **Pseudorapidity dependence of the anisotropic flow of charged particles in Pb-Pb collisions at**

sNN=2.76 TeV

Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Aiola S., et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.762, pp.376-388, 2016 (SCI-Expanded)

CCCXVIII. Correlated Event-by-Event Fluctuations of Flow Harmonics in Pb-Pb Collisions at sNN =2.76 TeV

Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Aiola S., et al.

Physical Review Letters, vol.117, no.18, 2016 (SCI-Expanded)

CCCXIX. Measurement of transverse energy at midrapidity in Pb-Pb collisions at s NN =2.76 TeV

Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Aiola S., et al.

Physical Review C, vol.94, no.3, 2016 (SCI-Expanded)

CCCXX. Multiplicity dependence of charged pion, kaon, and (anti)proton production at large transverse momentum in p-Pb collisions at $\sqrt{sNN}=5.02$ TeV

Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Aiola S., et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.760, pp.720-735, 2016 (SCI-Expanded)

CCCXXI. Elliptic flow of electrons from heavy-flavour hadron decays at mid-rapidity in Pb-Pb collisions at $\sqrt{sNN}=2.76$ TeV

Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Aiola S., et al.

Journal of High Energy Physics, vol.2016, no.9, 2016 (SCI-Expanded)

CCCXXII. Higher harmonic flow coefficients of identified hadrons in Pb-Pb collisions at $\sqrt{sNN}=2.76$ TeV

Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Aiola S., et al.

Journal of High Energy Physics, vol.2016, no.9, 2016 (SCI-Expanded)

CCCXXIII. Measurement of D-meson production versus multiplicity in p-Pb collisions at $\sqrt{sNN}=5.02$ TeV

Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahn S., Aiola S., Akindinov A., et al.

Journal of High Energy Physics, vol.2016, no.8, 2016 (SCI-Expanded)

CCCXXIV. Multi-strange baryon production in p-Pb collisions at $\sqrt{sNN}=5.02$ TeV

Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Aiola S., et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.758, pp.389-401, 2016 (SCI-Expanded)

CCCXXV. Centrality Dependence of the Charged-Particle Multiplicity Density at Midrapidity in Pb-Pb Collisions at sNN =5.02 TeV

Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Aiola S., et al.

Physical Review Letters, vol.116, no.22, 2016 (SCI-Expanded)

CCCXXVI. Measurement of an Excess in the Yield of J/ψ at Very Low pT in Pb-Pb Collisions at s NN=2.76 TeV

Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahn S., Aiola S., Akindinov A., et al.

Physical Review Letters, vol.116, no.22, 2016 (SCI-Expanded)

CCCXXVII. Centrality dependence of $\psi(2S)$ suppression in p-Pb collisions at $\sqrt{sNN}= 5.02$ TeV

Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Aiola S., et al.

Journal of High Energy Physics, vol.2016, no.6, pp.1-23, 2016 (SCI-Expanded)

:CCXXVIII. Multipion Bose-Einstein correlations in pp,p -Pb, and Pb-Pb collisions at energies available at the

CERN Large Hadron Collider

Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Aiola S., et al.

Physical Review C, vol.93, no.5, 2016 (SCI-Expanded)

CCCXXIX. Production of $K^*(892)0$ and $\phi(1020)$ in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV

Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Aiola S., et al.

European Physical Journal C, vol.76, no.5, 2016 (SCI-Expanded)

CCCXXX. Differential studies of inclusive J/ψ and $\psi(2S)$ production at forward rapidity in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV

The ALICE collaboration A., Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahn S., Aimo I., et al.

Journal of High Energy Physics, vol.2016, no.5, 2016 (SCI-Expanded)

CCCXXXI. Centrality dependence of charged jet production in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV

Alice Collaboration C., Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., et al.

European Physical Journal C, vol.76, no.5, 2016 (SCI-Expanded)

CCCXXXII. Particle identification in ALICE: a Bayesian approach

Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Aiola S., et al.

European Physical Journal Plus, vol.131, no.5, 2016 (SCI-Expanded)

:CCXXXIII. Charge-dependent flow and the search for the chiral magnetic wave in Pb-Pb collisions at $s_{NN} = 2.76$ TeV

Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahn S., Aiola S., Akindinov A., et al.

Physical Review C, vol.93, no.4, 2016 (SCI-Expanded)

:CCXXXIV. Anisotropic Flow of Charged Particles in Pb-Pb Collisions at $s_{NN} = 5.02$ TeV

Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., Aiola S., et al.

Physical Review Letters, vol.116, no.13, 2016 (SCI-Expanded)

CCXXXV. Inclusive quarkonium production at forward rapidity in pp collisions at $\sqrt{s} = 8$ TeV

Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahn S., Aiola S., Akindinov A., et al.

European Physical Journal C, vol.76, no.4, 2016 (SCI-Expanded)

:CCXXXVI. Event-shape engineering for inclusive spectra and elliptic flow in Pb-Pb collisions at $s_{NN} = 2.76$ TeV

Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahn S., Aimo I., Aiola S., et al.

Physical Review C, vol.93, no.3, 2016 (SCI-Expanded)

CCXXXVII. Centrality dependence of the nuclear modification factor of charged pions, kaons, and protons in Pb-Pb collisions at $s_{NN} = 2.76$ TeV

Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahn S., Aimo I., Aiola S., et al.

Physical Review C, vol.93, no.3, 2016 (SCI-Expanded)

:CXXXVIII. $3\Delta H$ and $3\Delta H$ production in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV

Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahn S., Aimo I., Aiola S., et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.754, pp.360-372, 2016 (SCI-Expanded)

:CCXXXIX. Centrality evolution of the charged-particle pseudorapidity density over a broad pseudorapidity range in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV

Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahn S., Aiola S., Akindinov

A., et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.754, pp.373-385, 2016 (SCI-Expanded)

- CCCXL. **Measurement of electrons from heavy-flavour hadron decays in p-Pb collisions at $\sqrt{s_{NN}}=5.02\text{TeV}$**
Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahn S., Aiola S., Akindinov A., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.754, pp.81-93, 2016 (SCI-Expanded)
- CCCXLI. **Direct photon production in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76\text{ TeV}$**
Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahn S., Aiola S., Akindinov A., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.754, pp.235-248, 2016 (SCI-Expanded)
- CCCXLII. **Measurement of Ds + production and nuclear modification factor in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76\text{ TeV}$**
The ALICE collaboration A., Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahn S., Aiola S., et al.
Journal of High Energy Physics, vol.2016, no.3, 2016 (SCI-Expanded)
- CCCXLIII. **Transverse momentum dependence of D-meson production in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76\text{ TeV}$**
The ALICE collaboration A., Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahn S., Aiola S., et al.
Journal of High Energy Physics, vol.2016, no.3, 2016 (SCI-Expanded)
- CCCXLIV. **Production of light nuclei and anti-nuclei in pp and Pb-Pb collisions at energies available at the CERN Large Hadron Collider**
Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmed I., Ahn S., Aimo I., et al.
Physical Review C, vol.93, no.2, 2016 (SCI-Expanded)
- CCCXLV. **Pseudorapidity and transverse-momentum distributions of charged particles in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$**
Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahn S., Aiola S., Akindinov A., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.753, pp.319-329, 2016 (SCI-Expanded)
- CCCXLVI. **Forward-central two-particle correlations in p-Pb collisions at $\sqrt{s_{NN}} = 5.02\text{ TeV}$**
Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahn S., Aimo I., Aiola S., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.753, pp.126-139, 2016 (SCI-Expanded)
- CCCXLVII. **Elliptic flow of muons from heavy-flavour hadron decays at forward rapidity in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76\text{ TeV}$**
Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahn S., Aiola S., Akindinov A., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.753, pp.41-56, 2016 (SCI-Expanded)
- CCCXLVIII. **Azimuthal anisotropy of charged jet production in $\sqrt{s_{NN}}=2.76\text{ TeV}$ Pb-Pb collisions**
Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahn S., Aiola S., Akindinov A., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.753, pp.511-525, 2016 (SCI-Expanded)
- CCCXLIX. **Centrality dependence of pion freeze-out radii in Pb-Pb collisions at $s_{NN} = 2.76\text{ TeV}$**
Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahn S., Aimo I., Aiola S., et

al.

Physical Review C, vol.93, no.2, 2016 (SCI-Expanded)

- CCCL. **Study of cosmic ray events with high muon multiplicity using the ALICE detector at the CERN Large Hadron Collider**
Adam J., Adamov D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahn S., Aiola S., Akindinov A., et al.
Journal of Cosmology and Astroparticle Physics, vol.2016, no.1, 2016 (SCI-Expanded)
- CCCLI. **Search for weakly decaying Λn^- and $\Lambda\Lambda$ exotic bound states in central Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV**
Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmed I., Ahn S., Aimo I., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.752, pp.267-277, 2016 (SCI-Expanded)
- CCCLII. **Multiplicity and transverse momentum evolution of charge-dependent correlations in pp, p-Pb, and Pb-Pb collisions at the LHC**
Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahn S., Aiola S., Akindinov A., et al.
European Physical Journal C, vol.76, no.2, 2016 (SCI-Expanded)
- CCCLIII. **Coherent $\psi(2S)$ photo-production in ultra-peripheral Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV**
Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahn S., Aimo I., Aiola S., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.751, pp.358-370, 2015 (SCI-Expanded)
- CCCLIV. **One-dimensional pion, kaon, and proton femtoscopy in Pb-Pb collisions at $s_{NN}=2.76$ TeV**
Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahn S., Aimo I., Aiola S., et al.
Physical Review C - Nuclear Physics, vol.92, no.5, 2015 (SCI-Expanded)
- CCCLV. **Centrality dependence of inclusive J/ψ production in p-Pb collisions at (Formula presented.) TeV**
The ALICE collaboration A., Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahn S., Aimo I., et al.
Journal of High Energy Physics, vol.2015, no.11, pp.1-33, 2015 (SCI-Expanded)
- CCCLVI. **Centrality dependence of high-pT D meson suppression in Pb-Pb collisions at (Formula presented.) TeV**
The ALICE collaboration A., Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahn S., Aimo I., et al.
Journal of High Energy Physics, vol.2015, no.11, pp.1-24, 2015 (SCI-Expanded)
- CCCLVII. **Measurement of charged jet production cross sections and nuclear modification in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV**
Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahn S., Aimo I., Aiola S., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.749, pp.68-81, 2015 (SCI-Expanded)
- CCCLVIII. **Precision measurement of the mass difference between light nuclei and anti-nuclei**
Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmed I., Ahn S., Aimo I., et al.
Nature Physics, vol.11, no.10, pp.811-814, 2015 (SCI-Expanded)
- CCCLIX. **Coherent ρ^0 photoproduction in ultra-peripheral Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV**
The ALICE collaboration A., Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahn S., Aimo I., et al.
Journal of High Energy Physics, vol.2015, no.9, 2015 (SCI-Expanded)
- CCCLX. **Measurement of charm and beauty production at central rapidity versus charged-particle**

multiplicity in proton-proton collisions at $\sqrt{s} = 7$ TeV

The ALICE collaboration A., Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmed I., Ahn S., et al.

Journal of High Energy Physics, vol.2015, no.9, 2015 (SCI-Expanded)

CCCLXI. Measurement of jet quenching with semi-inclusive hadron-jet distributions in central Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV

The ALICE collaboration A., Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahn S., Aimo I., et al.

Journal of High Energy Physics, vol.2015, no.9, 2015 (SCI-Expanded)

CCCLXII. Inclusive, prompt and non-prompt J/ψ production at mid-rapidity in Pb-Pb collisions at $\sqrt{s_{NN}}$ TeV

The ALICE collaboration A., Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahn S., Aimo I., et al.

Journal of High Energy Physics, vol.2015, no.7, 2015 (SCI-Expanded)

CCCLXIII. Measurement of dijet k_T in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV

Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahn S., Aimo I., Aiola S., et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.746, pp.385-395, 2015 (SCI-Expanded)

CCCLXIV. Measurement of jet suppression in central Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV

Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmed I., Ahn S., Aimo I., et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.746, pp.1-14, 2015 (SCI-Expanded)

CCCLXV. Elliptic flow of identified hadrons in Pb-Pb collisions at (Formula presented.) = 2.76 TeV

The ALICE collaboration A., Abelev B., Adam J., Adamová D., Aggarwal M., Agnello M., Agostinelli A., Agrawal N., Ahammed Z., Ahmad N., et al.

Journal of High Energy Physics, vol.2015, no.6, 2015 (SCI-Expanded)

CCCLXVI. Charged jet cross sections and properties in proton-proton collisions at $s = 7$ TeV

Abelev B., Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agostinelli A., Agrawal N., Ahammed Z., Ahmad N., et al.

Physical Review D - Particles, Fields, Gravitation and Cosmology, vol.91, no.11, 2015 (SCI-Expanded)

CCCLXVII. Rapidity and transverse-momentum dependence of the inclusive J/ψ nuclear modification factor in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV

The ALICE collaboration A., Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmed I., Ahn S., et al.

Journal of High Energy Physics, vol.2015, no.6, 2015 (SCI-Expanded)

:CCLXVIII. Centrality dependence of particle production in p-Pb collisions at $s_{NN} = 5.02$ TeV

Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agostinelli A., Agrawal N., Ahammed Z., Ahmed I., Ahn S., et al.

Physical Review C - Nuclear Physics, vol.91, no.6, 2015 (SCI-Expanded)

CCCLXIX. Measurement of pion, kaon and proton production in proton-proton collisions at $\sqrt{s} = 7$ TeV

Adam J., Adamová D., Aggarwal M., Rinella G. A., Agnello M., Agrawal N., Ahammed Z., Ahmed I., Ahn S., Aimo I., et al.

European Physical Journal C, vol.75, no.5, 2015 (SCI-Expanded)

CCCLXX. Forward-backward multiplicity correlations in pp collisions at $\sqrt{s} = 0.9, 2.76$ and 7 TeV

The ALICE collaboration A., Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmed I., Ahn S., et al.

Journal of High Energy Physics, vol.2015, no.5, 2015 (SCI-Expanded)

CCCLXXI. Inclusive photon production at forward rapidities in proton-proton collisions at $\sqrt{s} = 0.9, 2.76$ and 7 TeV

ALICE Collaboration C., Abelev B., Adam J., Adamová D., Aggarwal M., Rinella G. A., Agnello M., Agostinelli A., Agrawal N., Ahammed Z., et al.

- European Physical Journal C, vol.75, no.4, 2015 (SCI-Expanded)
- CCCLXXII. **Two-pion femtoscopy in p -Pb collisions at $s_{NN} = 5.02$ TeV**
Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmed I., Ahn S., Aimo I., et al.
Physical Review C - Nuclear Physics, vol.91, no.3, 2015 (SCI-Expanded)
- CCCLXXIII. **$K^*(892)0$ and $\phi(1020)$ production in Pb-Pb collisions at $s_{NN} = 2.76$ TeV**
Abelev B., Adam J., Adamová D., Aggarwal M., Agnello M., Agostinelli A., Agrawal N., Ahammed Z., Ahmad N., Ahmad Masoodi A., et al.
Physical Review C - Nuclear Physics, vol.91, no.2, 2015 (SCI-Expanded)
- CCCLXXIV. **Multiplicity dependence of jet-like two-particle correlation structures in p-Pb collisions at $s_{NN} = 5.02$ TeV**
Abelev B., Adam J., Adamová D., Aggarwal M., Agnello M., Agostinelli A., Agrawal N., Ahammed Z., Ahmad N., Ahmed I., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.741, pp.38-50, 2015 (SCI-Expanded)
- CCCLXXV. **Measurement of electrons from semileptonic heavy-flavor hadron decays in pp collisions at $s = 2.76$ TeV**
Abelev B., Adam J., Adamová D., Aggarwal M., Agnello M., Agostinelli A., Agrawal N., Ahammed Z., Ahmad N., Ahmed I., et al.
Physical Review D - Particles, Fields, Gravitation and Cosmology, vol.91, no.1, 2015 (SCI-Expanded)
- CCCLXXVI. **Production of inclusive $\Upsilon(1S)$ and $\Upsilon(2S)$ in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV**
Abelev B., Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agostinelli A., Agrawal N., Ahammed Z., Ahmad N., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.740, pp.105-117, 2015 (SCI-Expanded)
- CCCLXXVII. **Production of $\Sigma(1385)\pm$ and $\Xi(1530)0$ in proton-proton collisions at $\sqrt{s} = 7$ TeV**
ALICE Collaboration C., Abelev B., Adam J., Adamová D., Aggarwal M., Rinella G. A., Agnello M., Agostinelli A., Agrawal N., Ahammed Z., et al.
European Physical Journal C, vol.75, no.1, pp.1-19, 2015 (SCI-Expanded)
- CCCLXXVIII. **Exclusive J/ψ photoproduction off protons in ultraperipheral p -Pb collisions at $s_{NN} = 5.02$ TeV**
Abelev B., Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agostinelli A., Agrawal N., Ahammed Z., Ahmad N., et al.
Physical Review Letters, vol.113, no.23, 2014 (SCI-Expanded)
- CCCLXXIX. **Measurement of prompt D -meson production in p-Pb collisions at $s_{NN} = 5.02$ TeV**
Abelev B., Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agostinelli A., Agrawal N., Ahammed Z., Ahmad N., et al.
Physical Review Letters, vol.113, no.23, 2014 (SCI-Expanded)
- CCCLXXX. **Freeze-out radii extracted from three-pion cumulants in pp, p-Pb and Pb-Pb collisions at the LHC**
Abelev B., Adam J., Adamová D., Aggarwal M., Agnello M., Agostinelli A., Agrawal N., Ahammed Z., Ahmad N., Ahmed I., et al.
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- CCCLXXXI. **ALICE Collaboration**
Abelev B., Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agostinelli A., Agrawal N., Ahammed Z., Ahmad N., et al.
Nuclear Physics A, vol.932, pp.563-571, 2014 (SCI-Expanded)
- CCCLXXXII. **Beauty production in pp collisions at $\sqrt{s} = 2.76$ TeV measured via semi-electronic decays**
Abelev B., Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agostinelli A., Agrawal N., Ahammed Z., Ahmad N., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.738, pp.97-108, 2014 (SCI-Expanded)

- :CLXXXIII. **Multiparticle azimuthal correlations in p-Pb and Pb-Pb collisions at the CERN Large Hadron Collider**
Abelev B., Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agostinelli A., Agrawal N., Ahammed Z., Ahmad N., et al.
Physical Review C - Nuclear Physics, vol.90, no.5, 2014 (SCI-Expanded)
- :CLXXXIV. **ALICE Collaboration**
Abelev B., Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agostinelli A., Agrawal N., Ahammed Z., Ahmad N., et al.
Nuclear Physics A, vol.931, pp.1211-1221, 2014 (SCI-Expanded)
- CCLXXXV. **Suppression of $\Upsilon(1S)$ at forward rapidity in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV**
Abelev B., Adam J., Adamová D., Aggarwal M., Agnello M., Agostinelli A., Agrawal N., Ahammed Z., Ahmad N., Ahmed I., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.738, pp.361-372, 2014 (SCI-Expanded)
- :CLXXXVI. **Measurement of visible cross sections in proton-lead collisions at $\sqrt{s_{NN}} = 5.02$ TeV in van der Meer scans with the ALICE detector**
Abelev B., Adam J., Adamová D., Aggarwal M., Agnello M., Agostinelli A., Agrawal N., Ahammed Z., Ahmad N., Ahmed I., et al.
Journal of Instrumentation, vol.9, no.11, 2014 (SCI-Expanded)
- CLXXXVII. **Event-by-event mean p_T fluctuations in pp and Pb-Pb collisions at the LHC**
ALICE Collaboration C., Abelev B., Adam J., Adamová D., Aggarwal M., Rinella G. A., Agnello M., Agostinelli A., Agrawal N., Ahammed Z., et al.
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- :LXXXVIII. **Neutral pion production at midrapidity in pp and Pb-Pb collisions at $\sqrt{s_{NN}}$ TeV**
The ALICE Collaboration A., Abelev B., Adam J., Adamová D., Aggarwal M., Agnello M., Agostinelli A., Agrawal N., Ahammed Z., Ahmad N., et al.
European Physical Journal C, vol.74, no.10, pp.1-20, 2014 (SCI-Expanded)
- :CLXXXIX. **Performance of the ALICE experiment at the CERN LHC**
Abelev B., Abramyan A., Adam J., Adamová D., Aggarwal M., Agnello M., Agostinelli A., Agrawal N., Ahammed Z., Ahmad N., et al.
International Journal of Modern Physics A, vol.29, no.24, 2014 (SCI-Expanded)
- CCCXC. **Azimuthal anisotropy of D-meson production in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV**
Abelev B., Adam J., Adamová D., Aggarwal M., Agnello M., Agostinelli A., Agrawal N., Ahammed Z., Ahmad N., Ahmed I., et al.
Physical Review C - Nuclear Physics, vol.90, no.3, 2014 (SCI-Expanded)
- CCCXCI. **Production of charged pions, kaons and protons at large transverse momenta in pp and Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV**
Abelev B., Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agostinelli A., Agrawal N., Ahammed Z., Ahmad N., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.736, pp.196-207, 2014 (SCI-Expanded)
- CCCXCII. **Transverse momentum dependence of inclusive primary charged-particle production in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV**
Abelev B., Adam J., Adamová D., Aggarwal M., Agnello M., Agostinelli A., Agrawal N., Ahammed Z., Ahmad N., Ahmed I., et al.
European Physical Journal C, vol.74, no.9, 2014 (SCI-Expanded)
- CCCXCIII. **Upgrade of the ALICE experiment: Letter of intent**
Abelev B., Adam J., Adamová D., Adare A., Aggarwal M., Aglieri Rinella G., Agnello M., Agocs A., Agostinelli A., Ahammed Z., et al.
Journal of Physics G: Nuclear and Particle Physics, vol.41, no.8, 2014 (SCI-Expanded)
- CCCXCIV. **Measurement of quarkonium production at forward rapidity in pp $\sqrt{s}=7$ TeV**
The ALICE Collaboration A., Abelev B., Adam J., Adamová D., Aggarwal M., Agnello M., Agostinelli A., Agrawal N.,

- Ahmed Z., Ahmad N., et al.
European Physical Journal C, vol.74, no.8, pp.1-21, 2014 (SCI-Expanded)
- CCCXCV. **Technical design report for the upgrade of the ALICE inner tracking system**
Abelev B., Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agostinelli A., Agrawal N., Ahmed Z., Ahmad N., et al.
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- CCCXCVI. **Centrality, rapidity and transverse momentum dependence of J/ψ suppression in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$**
Abelev B., Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agocs A., Agostinelli A., Agrawal N., Ahmed Z., et al.
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- CCCXCVII. **Two- and three-pion quantum statistics correlations in Pb-Pb collisions at $s_{NN} = 2.76 \text{ TeV}$ at the CERN Large Hadron Collider**
Abelev B., Adam J., Adamová D., Aggarwal M., Rinella G. A., Agnello M., Agocs A., Agostinelli A., Agrawal N., Ahmed Z., et al.
Physical Review C - Nuclear Physics, vol.89, no.2, 2014 (SCI-Expanded)
- :CCXCVIII. **Multiplicity dependence of pion, kaon, proton and lambda production in p-Pb collisions at $\sqrt{s_{NN}} = 5.02 \text{ TeV}$**
Abelev B., Adam J., Adamová D., Adare A., Aggarwal M., Aglieri Rinella G., Agnello M., Agocs A., Agostinelli A., Ahmed Z., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.728, pp.25-38, 2014 (SCI-Expanded)
- CCCXCIX. **Multi-strange baryon production at mid-rapidity in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$**
Abelev B., Adam J., Adamová D., Adare A., Aggarwal M., Aglieri Rinella G., Agnello M., Agocs A., Agostinelli A., Ahmed Z., et al.
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- CD. **Suppression of $\psi(2S)$ production in p-Pb collisions at $\sqrt{s_{NN}} = 5.02 \text{ TeV}$**
The ALICE collaboration A., Abelev B., Adam J., Adamová D., Aggarwal M., Agnello M., Agostinelli A., Agrawal N., Ahmed Z., Ahmad N., et al.
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- CDI. **Measurement of charged jet suppression in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$**
Abelev B., Adam J., Adamová D., Aggarwal M., Rinella G. A., Agnello M., Agocs A., Agostinelli A., Agrawal N., Ahmed Z., et al.
Journal of High Energy Physics, vol.2014, no.3, 2014 (SCI-Expanded)
- CDII. **Multiplicity dependence of the average transverse momentum in pp, p-Pb, and Pb-Pb collisions at the LHC**
Abelev B., Adam J., Adamová D., Adare A., Aggarwal M., Aglieri Rinella G., Agnello M., Agocs A., Agostinelli A., Ahmed Z., et al.
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- CDIII. **Directed flow of charged particles at midrapidity relative to the spectator plane in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$**
Abelev B., Adam J., Adamová D., Adare A., Aggarwal M., Aglieri Rinella G., Agnello M., Agocs A., Agostinelli A., Ahmed Z., et al.
Physical Review Letters, vol.111, no.23, 2013 (SCI-Expanded)
- CDIV. **K_S^0 and Λ production in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$**
Abelev B., Adam J., Adamová D., Adare A., Aggarwal M., Aglieri Rinella G., Agnello M., Agocs A., Agostinelli A., Ahmed Z., et al.
Physical Review Letters, vol.111, no.22, 2013 (SCI-Expanded)

- CDV. **J/ ψ elliptic flow in Pb-Pb Collisions at $\sqrt{s_{NN}}=2.76$ TeV**
Abbas E., Abelev B., Adam J., Adamová D., Adare A., Aggarwal M., Aglieri Rinella G., Agnello M., Agocs A., Agostinelli A., et al.
Physical Review Letters, vol.111, no.16, 2013 (SCI-Expanded)
- CDVI. **Centrality dependence of π , K, and p production in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV**
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Supported Projects

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Karasu Uysal A., TUBITAK Project, ALICE DENEYİNDE ELEKTRON-POZİTRON ÇİFTİ ÜRETİMLERİNİN YENİLİKÇİ YAPAY ZEKÂ TEKNİKLERİ İLE İNCELENMESİ, 2020 - 2023

Karasu Uysal A., TÜBİTAK - AB COST Project, Quantum Gravity Phenomenology in the Multi-Messenger Approach, 2019 - 2023

Karasu Uysal A., Energy and Natural Resources Ministry, CERN-ALICE Deneyi Difraktif Dedektörü Tasarımı ve Performans Testleri, 2019 - 2022

Karasu Uysal A., Energy and Natural Resources Ministry, ALICE Deneyinde pp pPb ve PbPb Çarpışmalarında Delta ve Delta-- Rezonans Oluşumlarının İncelenmesi, 2014 - 2018

Karasu Uysal A., TUBITAK Project, Yüksek Enerjili Proton-Proton ve Ağır İyon Çarpışmalarında Oluşan Parçacık Ürün Oranlarının İstatistiksel Termal Model Yaklaşımıyla İncelenmesi, 2014 - 2015

Akçalı Ö., Subaşı M., Karasu Uysal A., Project Supported by Other Official Institutions, Avrupa Nükleer Araştırma Merkezi CERN Büyük Hadron Çarpıştırıcısı LHC Deneylerinden ALICE'xxde 14 TeV Kutle Merkezi Enerjili Proton-Proton Çarpışmalarında Acayip Parçacık Üretiminin İncelenmesi, 2007 - 2010

Memberships / Tasks in Scientific Organizations

TUBITAK- Mathematics Physics Research Group, Executive Board Member, 2024 - Continues, Turkey

COST, Consultant, 2021 - Continues, Belgium

PECFA, Country Representative, 2020 - Continues, Switzerland

TENMAK, Member of Science Committee, 2019 - Continues, Turkey

CERN, Executive Board Member, 2012 - Continues, Switzerland

TUBITAK- Mathematics Physics Research Group, Member of Advisory Board, 2020 - 2024, Turkey

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Non Academic Experience

TUBITAK, TUBITAK, MFAG

Professional Association, European Commission of Future Accelerators, PECFA

TÜBİTAK

European Union, European Cooperation in Science and Technology, Nuclear and High Energy Physics

Professional Association, CERN, ALICE Experiment

ECFA

Professional Association, CERN, ALICE Experiment

CERN