

## **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

### Undergraduate

Physics-1, Undergraduate, 2023 - 2024

### Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Enhancing precision in  $J/\psi$  mass estimation: A study of ensemble and deep learning methods**  
Kuzu S. Y., KARASU UYSAL A., Kaya M.  
Computer Physics Communications, vol.310, 2025 (SCI-Expanded)
- II. **Multiplicity dependence of  $\Upsilon$  production at forward rapidity 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.  
Nuclear Physics B, vol.1011, 2025 (SCI-Expanded)
- III. **Probing Strangeness Hadronization with Event-by-Event Production of Multistrange Hadrons**  
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 Letters, vol.134, no.2, 2025 (SCI-Expanded)
- IV. **Rapidity dependence of antideuteron coalescence in pp collisions at  $s=13$  TeV with ALICE**  
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.860, 2025 (SCI-Expanded)
- V. **Measurement of  $HA3$  production in Pb–Pb collisions at  $sNN=5.02$  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.860, 2025 (SCI-Expanded)
- VI. **Investigating  $\Lambda$  baryon production in p -Pb collisions in jets and the underlying event 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.  
Physical Review C, vol.111, no.1, 2025 (SCI-Expanded)
- VII. **Particle production as a function of charged-particle flattenicity 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.111, no.1, 2025 (SCI-Expanded)
- VIII. **Measurement of the production and elliptic flow of (anti)nuclei in Xe-Xe collisions at  $sNN =5.44$  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 C, vol.110, no.6, 2024 (SCI-Expanded)
- IX. **Investigating strangeness enhancement in jet and medium via (Formula presented) production in (Formula presented)-Pb collisions at (Formula presented)**  
Grigoryan S., Balis B., Gorgon M., Horzyk A., Jablonski M., Kitowski J., Koryciak S., Lelek T., Majerz E., Marcjan R., et al.  
Physical Review C, vol.110, no.6, 2024 (SCI-Expanded)
- X. **Measurement of the impact-parameter dependent azimuthal anisotropy in coherent  $\rho0$  photoproduction in Pb–Pb collisions at  $sNN=5.02$  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)
- XI. **Measurement of (anti)alpha production in central Pb–Pb collisions at  $sNN=5.02$  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)
- XII. **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)
- XIII. **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)
- XIV. **Investigating the composition of the  $K0^*(700)$  state with  $\pi^\pm K_S^0$  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)
- XV. **Studying strangeness and baryon production mechanisms through angular correlations between charged  $\Xi$  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)
- XVI. **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)
- XVII. **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)
- XVIII. **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)
- XIX. **Azimuthal anisotropy of jet particles in p-Pb and Pb-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.  
Journal of High Energy Physics, vol.2024, no.8, 2024 (SCI-Expanded)
- XX. **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, vol.110, no.3, 2024 (SCI-Expanded)
- XXI. **Measurement of  $\omega$   $c_0$  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)
- XXII. **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)
- XXIII. **Observation of Medium-Induced Yield Enhancement and Acoplanarity Broadening of Low- $p_T$  Jets from Measurements in pp and 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.  
Physical Review Letters, vol.133, no.2, 2024 (SCI-Expanded)
- XXIV. **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)
- XXV. **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)
- XXVI. **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)
- XXVII. **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)
- XXVIII. **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)
- XXIX. **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)
- XXX. **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)
- XXXI. **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)
- XXXII. **ALICE upgrades during the LHC Long Shutdown 2**  
Acharya S., Hernandez R. A., Adamová D., Adler A., Adolphsson J., Aguiaro D., Rinella G. A., Agnello M., Agnese F., Agrawal N., et al.  
Journal of Instrumentation, vol.19, no.5, 2024 (SCI-Expanded)
- XXXIII. **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)
- XXXIV. **First Measurement of the  $|t|$  Dependence of Incoherent  $J/\psi$  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)
- XXXV. **Measurement of the fraction of jet longitudinal momentum carried by  $\Lambda c^+$  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)
- XXXVI. **Modification of charged-particle jets in event-shape engineered 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.851, 2024 (SCI-Expanded)
- XXXVII.  **$K^*(892)\pm$  resonance production in 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.  
Physical Review C, vol.109, no.4, 2024 (SCI-Expanded)
- XXXVIII. **Multiplicity and event-scale dependent flow and jet fragmentation in pp collisions at  $s = 13$  TeV and 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.3, 2024 (SCI-Expanded)
- XXXIX. **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)
- XL. **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)
- XLI. **Measurement of the radius dependence of charged-particle jet suppression in Pb–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.  
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.849, 2024 (SCI-Expanded)
- XLII. **Measurements of inclusive  $J/\psi$  production at midrapidity and forward rapidity in Pb–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.  
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.849, 2024 (SCI-Expanded)
- XLIII. **Prompt and non-prompt  $J/\psi$  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)
- XLIV. **Femtoscopic correlations of identical charged pions and kaons in pp collisions at  $s = 13$  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)
- XLV. **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)
- XLVI.  **$\psi$  (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.

et al.

Physical Review Letters, vol.132, no.4, 2024 (SCI-Expanded)

- XLVII. **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)
- XLVIII. **Measurements of long-range two-particle correlation over a wide pseudorapidity range 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.1, 2024 (SCI-Expanded)
- XLIX. **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)
- L. **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)
- LI. **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)
- LII. **Exclusive and dissociative  $J/\psi$  photoproduction, and exclusive dimuon production, in 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.  
Physical Review D, vol.108, no.11, 2023 (SCI-Expanded)
- LIII. **Study of the p-p-K<sup>+</sup> and p-p-K<sup>-</sup> 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)
- LIV. **Measurement of non-prompt D<sup>-</sup> 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)
- LV. **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)
- LVI. **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)
- LVII. **First measurement of prompt and non-prompt D<sup>+</sup> 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)
- LVIII. **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)
- LIX. **Measurement of the production of (anti)nuclei in p–Pb collisions at  $s_{NN}=8.16$  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)
- LX. **Photoproduction of low-pT 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)
- LXI. **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)
- LXII. **Measurement of beauty-strange meson production in Pb–Pb collisions at  $s_{NN}=5.02$  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)
- LXIII. **Measurements of azimuthal anisotropies at forward and backward rapidity with muons in high-multiplicity 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.  
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.846, 2023 (SCI-Expanded)
- LXIV. **First measurement of  $\Omega_c^0$  production 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.  
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.846, 2023 (SCI-Expanded)
- LXV.  **$f_0(980)$  production in inelastic pp collisions at  $s = 5.02$  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)
- LXVI. **Higher-order correlations between different moments of two flow amplitudes in Pb–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.  
Physical Review C, vol.108, no.5, 2023 (SCI-Expanded)
- LXVII. **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)
- LXVIII. **System-size dependence of the charged-particle pseudorapidity density at  $s_{NN}=5.02$  TeV 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)

- LXIX. **Accessing the strong interaction between  $\Lambda$  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)
- LXX. **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)
- LXXI. **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)
- LXXII. **Measurement of inclusive  $J/\psi$  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)
- LXXIII. **Energy dependence of coherent photonuclear production of  $J/\psi$  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)
- LXXIV. **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)
- LXXV. **Closing in on critical net-baryon fluctuations at LHC energies: Cumulants up to third order in 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.844, 2023 (SCI-Expanded)
- LXXVI. **First measurement of the  $\Lambda$ - $\Xi$  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.  
 Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.844, 2023 (SCI-Expanded)
- LXXVII. **Measurement of the Lifetime and  $\Lambda$  Separation Energy of  $\Lambda\Lambda 3$**   
 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.10, 2023 (SCI-Expanded)
- LXXVIII. **Measurement of electrons from beauty-hadron decays in pp and Pb-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.  
 Physical Review C, vol.108, no.3, 2023 (SCI-Expanded)
- LXXIX. **Study of charged particle production at high pT using event topology in pp, p-Pb and Pb-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.  
 Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.843, 2023 (SCI-Expanded)



- LXXX. **Measurement of the  $\Lambda$  hyperon lifetime**  
 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.3, 2023 (SCI-Expanded)
- LXXXI. **Azimuthal correlations of heavy-flavor hadron decay electrons with charged particles in pp and 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.  
 European Physical Journal C, vol.83, no.8, 2023 (SCI-Expanded)
- LXXXII. **Inclusive and multiplicity dependent production of electrons from heavy-flavour hadron decays in pp and p-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.  
 Journal of High Energy Physics, vol.2023, no.8, 2023 (SCI-Expanded)
- LXXXIII. **Performance of the ALICE Electromagnetic Calorimeter**  
 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.8, 2023 (SCI-Expanded)
- LXXXIV. **Enhanced Deuteron Coalescence Probability in Jets**  
 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.4, 2023 (SCI-Expanded)
- LXXXV. **First Measurement of Antideuteron Number Fluctuations at Energies Available at the Large Hadron Collider**  
 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.4, 2023 (SCI-Expanded)
- LXXXVI. **Measurement of the  $J/\psi$  Polarization with Respect to the Event Plane 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.131, no.4, 2023 (SCI-Expanded)
- LXXXVII. **Production of  $K_S^0$ ,  $\Lambda$  ( $\Lambda^-$ ),  $\Xi^\pm$ , and  $\Omega^\pm$  in jets and in the underlying event in pp and p-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.  
 Journal of High Energy Physics, vol.2023, no.7, 2023 (SCI-Expanded)
- LXXXVIII. **Measurement of the angle between jet axes 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.  
 Journal of High Energy Physics, vol.2023, no.7, 2023 (SCI-Expanded)
- LXXXIX. **Inclusive photon production at forward rapidities in pp and 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.  
 European Physical Journal C, vol.83, no.7, 2023 (SCI-Expanded)
- XC. **Towards the understanding of the genuine three-body interaction for p-p-p and p-p- $\Lambda$**   
 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.7, 2023 (SCI-Expanded)
- XCI.  **$J/\psi$  production at midrapidity in 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.  
 Journal of High Energy Physics, vol.2023, no.7, 2023 (SCI-Expanded)

- XCII. Symmetry plane correlations in Pb–Pb collisions at  $\sqrt{s_{NN}}=2.76$  TeV**  
 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.83, no.7, 2023 (SCI-Expanded)
- XCIII. Underlying-event properties in pp and 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.  
 Journal of High Energy Physics, vol.2023, no.6, 2023 (SCI-Expanded)
- XCIV. Measurement of the production of charm jets tagged with D0 mesons in pp 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.  
 Journal of High Energy Physics, vol.2023, no.6, 2023 (SCI-Expanded)
- XCIV. Measurement of inclusive and leading subjet fragmentation 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.  
 Journal of High Energy Physics, vol.2023, no.5, 2023 (SCI-Expanded)
- XCVI. Multiplicity and rapidity dependence of  $K^*(892)$  and  $\phi(1020)$  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.  
 European Physical Journal C, vol.83, no.6, 2023 (SCI-Expanded)
- XCVII. First measurement of  $\Lambda_c^+$  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.  
 Physical Review C, vol.107, no.6, 2023 (SCI-Expanded)
- XCVIII. Production of pions, kaons, and protons as a function of the relative transverse activity classifier 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.  
 Journal of High Energy Physics, vol.2023, no.6, 2023 (SCI-Expanded)
- XCIX. Jet-like correlations with respect to  $K_S^0$  and  $\Lambda$  ( $\Lambda^+$ ) in pp and central 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.  
 European Physical Journal C, vol.83, no.6, 2023 (SCI-Expanded)
- C. 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**  
 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.5, 2023 (SCI-Expanded)
- CI. Neutron emission in ultraperipheral Pb–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.  
 Physical Review C, vol.107, no.6, 2023 (SCI-Expanded)
- CII. Anisotropic flow and flow fluctuations of identified hadrons 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.  
 Journal of High Energy Physics, vol.2023, no.5, 2023 (SCI-Expanded)
- CIII. Dielectron production at midrapidity at low transverse momentum in peripheral and semi-**

**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.6, 2023 (SCI-Expanded)

- CIV. **Measurement of  $\psi(2S)$  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.  
Journal of High Energy Physics, vol.2023, no.6, 2023 (SCI-Expanded)
- CV. **Light (anti)nuclei production in Pb-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.  
Physical Review C, vol.107, no.6, 2023 (SCI-Expanded)
- CVI. **Investigation of K+K- interactions via femtoscopy in Pb-Pb collisions at  $s_{NN} = 2.76$  TeV at the CERN Large Hadron Collider**  
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.107, no.5, 2023 (SCI-Expanded)
- CVII. **Two-particle transverse momentum correlations in pp and p -Pb collisions at energies available at the CERN Large Hadron Collider**  
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.107, no.5, 2023 (SCI-Expanded)
- CVIII.  **$W_{\pm}$ -boson production in p–Pb collisions at  $\sqrt{s_{NN}} = 8.16$  TeV and Pb–Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV**  
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.5, 2023 (SCI-Expanded)
- CIX. **Observation of flow angle and flow magnitude fluctuations in Pb-Pb collisions at  $s_{NN} = 5.02$  TeV at the CERN Large Hadron Collider**  
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.107, no.5, 2023 (SCI-Expanded)
- CX.  **$\Sigma(1385) \pm$  resonance production 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.  
European Physical Journal C, vol.83, no.5, 2023 (SCI-Expanded)
- CXI.  **$K^*(892)0$  and  $\phi(1020)$  production in p–Pb collisions at  $s_{NN} = 8.16$  TeV**  
Acharya S., Adamová D., Adler A., Adolfsson J., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., et al.  
Physical Review C, vol.107, no.5, 2023 (SCI-Expanded)
- CXII. **Constraining hadronization mechanisms with  $\Lambda_c^+/\Delta^0$  production ratios in Pb–Pb collisions at  $s_{NN} = 5.02$  TeV**  
Acharya S., Adamová D., Adler A., Adolfsson J., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., et al.  
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.839, 2023 (SCI-Expanded)
- CXIII. **Constraining the  $K^- N$  coupled channel dynamics using femtoscopic correlations 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.  
European Physical Journal C, vol.83, no.4, 2023 (SCI-Expanded)
- CXIV. **Inclusive quarkonium production 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.83, no.1, 2023 (SCI-Expanded)
- CXV. **Measurement of anti- $^3\text{He}$  nuclei absorption in matter and impact on their propagation in the Galaxy**  
Acharya S., Adamová D., Adler A., Adolfsson J., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., et al.  
Nature Physics, vol.19, no.1, pp.61-71, 2023 (SCI-Expanded)
- CXVI. **Measurement of beauty production via non-prompt  $D^0$  mesons 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.  
Journal of High Energy Physics, vol.2022, no.12, 2022 (SCI-Expanded)
- CXVII. **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., 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.834, 2022 (SCI-Expanded)
- CXVIII.  **$KS^0K^0$  and  $KS^0K^\pm$  femtoscopy in pp collisions at  $s=5.02$  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.  
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.833, 2022 (SCI-Expanded)
- CXIX. **General balance functions of identified charged hadron pairs of ( $\pi, K, p$ ) in Pb-Pb collisions at  $s_{NN}=2.76$  TeV**  
Acharya S., Adamová D., Adler A., Adolfsson J., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., et al.  
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.833, 2022 (SCI-Expanded)
- CXX. **Exploring the  $N\Lambda-N\Sigma$  coupled system with high precision correlation techniques 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.  
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.833, 2022 (SCI-Expanded)
- CXXI. **Neutral to charged kaon yield fluctuations in Pb - Pb collisions at  $s_{NN}=2.76$  TeV**  
Acharya S., Adamová D., Adler A., Adolfsson J., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., et al.  
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.832, 2022 (SCI-Expanded)
- CXXII. **First study of the two-body scattering involving charm hadrons**  
Acharya S., Adamová D., Adler A., Adolfsson J., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., et al.  
Physical Review D, vol.106, no.5, 2022 (SCI-Expanded)
- CXXIII. **Production of  $K^*(892)^0$  and  $\phi(1020)$  in pp and Pb-Pb collisions at  $s_{NN} = 5.02$  TeV**  
Acharya S., Adamová D., Adler A., Adolfsson J., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., et al.  
Physical Review C, vol.106, no.3, 2022 (SCI-Expanded)
- CXXIV. **Study of very forward energy and its correlation with particle production at midrapidity in pp and p-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.  
Journal of High Energy Physics, vol.2022, no.8, 2022 (SCI-Expanded)
- CXXV. **Hypertriton Production in 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.  
Physical Review Letters, vol.128, no.25, 2022 (SCI-Expanded)

- CXXVI. **Investigating the role of strangeness in baryon–antibaryon annihilation 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.  
 Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.829, 2022 (SCI-Expanded)
- CXXVII. **Observation of a multiplicity dependence in the pT-differential charm baryon-to-meson ratios in proton–proton 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.  
 Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.829, 2022 (SCI-Expanded)
- CXXVIII. **Inclusive, prompt and non-prompt J/ψ production at midrapidity in p-Pb collisions at √sNN = 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.  
 Journal of High Energy Physics, vol.2022, no.6, 2022 (SCI-Expanded)
- CXXIX. **Multiplicity dependence of charged-particle jet production in pp collisions at √s=13TeV**  
 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.6, 2022 (SCI-Expanded)
- CXXX. **Forward rapidity J/ψ production as a function of charged-particle multiplicity in pp collisions at √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.  
 Journal of High Energy Physics, vol.2022, no.6, 2022 (SCI-Expanded)
- CXXXI. **Direct observation of the dead-cone effect in quantum chromodynamics**  
 Acharya S., Adamova D., Adler A., Adolfsson J., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., et al.  
 Nature, vol.605, no.7910, pp.440-446, 2022 (SCI-Expanded)
- CXXXII. **Measurement of K<sub>s</sub><sup>0</sup> production in inelastic 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.  
 Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.828, 2022 (SCI-Expanded)
- CXXXIII. **Measurements of the groomed and ungroomed jet angularities in pp collisions at √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.  
 Journal of High Energy Physics, vol.2022, no.5, 2022 (SCI-Expanded)
- CXXXIV. **Polarization of Λ and  $\bar{\Lambda}$  Hyperons along the Beam Direction 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 Letters, vol.128, no.17, 2022 (SCI-Expanded)
- CXXXV. **Nuclear modification factor of light neutral-meson spectra up to high transverse momentum in p-Pb collisions at sNN=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.827, 2022 (SCI-Expanded)
- CXXXVI. **Measurement of prompt D<sub>s</sub><sup>±</sup>-meson production and azimuthal anisotropy in Pb–Pb collisions at sNN=5.02TeV**  
 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.827, 2022 (SCI-Expanded)
- CXXXVII. **Production of Λ and K<sub>S</sub><sup>0</sup> in jets in p–Pb collisions at sNN=5.02 TeV and pp collisions at 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.

S., et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.827, 2022 (SCI-Expanded)

CXXXVIII. **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.

European Physical Journal C, vol.82, no.4, 2022 (SCI-Expanded)

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)

CXL. **Measurement of the Groomed Jet Radius and Momentum Splitting Fraction in pp and Pb-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.

Physical Review Letters, vol.128, no.10, 2022 (SCI-Expanded)

CXLI. **Prompt and non-prompt  $J/\psi$  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.

Journal of High Energy Physics, vol.2022, no.3, 2022 (SCI-Expanded)

CXLII. **Measurement of Prompt  $D^0$ ,  $\Lambda_c^+$ , and  $\Sigma_c^0, ++$  ( $2455$ ) 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.

Physical Review Letters, vol.128, no.1, 2022 (SCI-Expanded)

CXLIII. **Production of light (anti)nuclei 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.

Journal of High Energy Physics, vol.2022, no.1, 2022 (SCI-Expanded)

CXLIV. **Charm-quark fragmentation fractions and production cross section at midrapidity 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.

Physical Review D, vol.105, no.1, 2022 (SCI-Expanded)

CXLV. **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.

Journal of High Energy Physics, vol.2022, no.1, 2022 (SCI-Expanded)

CXLVI. **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.

Journal of High Energy Physics, vol.2022, no.1, 2022 (SCI-Expanded)

CXLVII. **Measurement of the Cross Sections of  $\Xi_c^0$  and  $\Xi_c^+$  Baryons and of the Branching-Fraction Ratio  $BR(\Xi_c^0 \rightarrow \Xi^- e^+ \nu_e)/BR(\Xi_c^0 \rightarrow \Xi^- \pi^+)$  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.

Physical Review Letters, vol.127, no.27, 2021 (SCI-Expanded)

CXLVIII. **Inclusive  $J/\psi$  production at midrapidity 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.

European Physical Journal C, vol.81, no.12, 2021 (SCI-Expanded)

- CXLIX.  **$\Lambda c^+$  Production and Baryon-to-Meson Ratios in pp and p -Pb Collisions at  $\sqrt{s_{NN}} = 5.02$  TeV 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.  
Physical Review Letters, vol.127, no.20, 2021 (SCI-Expanded)
- CL.  **$\Upsilon$  production and nuclear modification at forward rapidity 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.  
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.822, 2021 (SCI-Expanded)
- CLL. **Kaon-proton strong interaction at low relative momentum via femtoscopy in Pb-Pb 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.  
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.822, 2021 (SCI-Expanded)
- CLLII. **Charged-particle multiplicity fluctuations in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV**  
Acharya S., Adamová D., Adler A., Adolfsson J., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., et al.  
European Physical Journal C, vol.81, no.11, 2021 (SCI-Expanded)
- CLLIII.  **$\Lambda c^+$  production in pp and 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.  
Physical Review C, vol.104, no.5, 2021 (SCI-Expanded)
- CLLIV. **Experimental Evidence for an Attractive p- $\phi$  Interaction**  
Acharya S., Adamová D., Adler A., Adolfsson J., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., et al.  
Physical Review Letters, vol.127, no.17, 2021 (SCI-Expanded)
- CLLV.  **$K_S^0$  - and (anti-)  $\Lambda$  -hadron correlations 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.  
European Physical Journal C, vol.81, no.10, 2021 (SCI-Expanded)
- CLLVI. **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.  
Journal of High Energy Physics, vol.2021, no.10, 2021 (SCI-Expanded)
- CLLVII. **First measurements of N-subjettiness in central Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV**  
Acharya S., Adamová D., Adler A., Adolfsson J., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., et al.  
Journal of High Energy Physics, vol.2021, no.10, 2021 (SCI-Expanded)
- CLLVIII. **Measurement of the production cross section of prompt  $\Xi_c^0$  baryons at midrapidity 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.  
Journal of High Energy Physics, vol.2021, no.10, 2021 (SCI-Expanded)
- CLLIX. **First measurement of coherent  $\rho^0$  photoproduction in ultra-peripheral 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.  
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.820, 2021 (SCI-Expanded)
- CLX. **Production of muons from heavy-flavour hadron decays at high transverse momentum in Pb-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  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.  
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.820, 2021 (SCI-Expanded)
- CLXI. **Jet fragmentation transverse momentum distributions in pp and p-Pb collisions at  $\sqrt{s}$ ,  $\sqrt{s_{NN}} = 5.02$  TeV**  
Acharya S., Adamová D., Adler A., Adolfsson J., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., et al.  
Journal of High Energy Physics, vol.2021, no.9, 2021 (SCI-Expanded)
- CLXII. **Multiharmonic Correlations of Different Flow Amplitudes in Pb-Pb Collisions at  $s_{NN} = 2.76$  TeV**  
Acharya S., Adamová D., Adler A., Adolfsson J., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., et al.  
Physical Review Letters, vol.127, no.9, 2021 (SCI-Expanded)
- CLXIII. **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.  
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.819, 2021 (SCI-Expanded)
- CLXIV. **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.  
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.819, 2021 (SCI-Expanded)
- CLXV. **Coherent  $J/\psi$  and  $\psi'$  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)
- CLXVI. **Energy dependence of  $\phi$  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.  
European Physical Journal C, vol.81, no.8, 2021 (SCI-Expanded)
- CLXVII. **Soft-Dielectron Excess in Proton-Proton 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.  
Physical Review Letters, vol.127, no.4, 2021 (SCI-Expanded)
- CLXVIII. **Measurements of mixed harmonic cumulants in Pb-Pb collisions at  $s_{NN} = 5.02$  TeV**  
Acharya S., Adamová D., Adler A., Adolfsson J., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S., et al.  
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.818, 2021 (SCI-Expanded)
- CLXIX. **Production of pions, kaons, (anti-)protons and  $\phi$  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.  
European Physical Journal C, vol.81, no.7, 2021 (SCI-Expanded)
- CLXX. **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.  
European Physical Journal C, vol.81, no.7, 2021 (SCI-Expanded)
- CLXXI. **First measurement of the  $|t|$ -dependence of coherent  $J/\psi$  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.  
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.817, 2021 (SCI-Expanded)



- CLXXII. **Alk femtoscopy in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  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)
- CLXXIII. **Long- and short-range correlations and their event-scale dependence in high-multiplicity 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.  
Journal of High Energy Physics, vol.2021, no.5, 2021 (SCI-Expanded)
- CLXXIV. **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.  
Journal of High Energy Physics, vol.2021, no.5, 2021 (SCI-Expanded)
- CLXXV. **Elliptic Flow of Electrons from Beauty-Hadron Decays in 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.  
Physical Review Letters, vol.126, no.16, 2021 (SCI-Expanded)
- CLXXVI. **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.  
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.815, 2021 (SCI-Expanded)
- CLXXVII. **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.  
European Physical Journal C, vol.81, no.3, 2021 (SCI-Expanded)
- CLXXVIII. **Transverse-momentum and event-shape dependence of D-meson flow harmonics in 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.  
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.813, 2021 (SCI-Expanded)
- CLXXIX. **Pion-kaon femtoscopy and the lifetime of the hadronic phase in Pb-Pb collisions at  $\sqrt{s_{NN}}=2.76$  TeV**  
Acharya S., Adamová D., Adler A., Adolfsson J., Aggarwal M., Agha S., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., et al.  
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.813, 2021 (SCI-Expanded)
- CLXXX. **Centrality dependence of  $J/\psi$  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., Ahammed Z., et al.  
Journal of High Energy Physics, vol.2021, no.2, 2021 (SCI-Expanded)
- CLXXXI. **ALICE Collaboration**  
Acharya S., Adamová D., Adler A., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., et al.  
Nuclear Physics A, vol.1005, 2021 (SCI-Expanded)
- CLXXXII. **Search for a common baryon source in high-multiplicity pp 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.  
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.811, 2020 (SCI-Expanded)
- CLXXXIII. **Production of  $\omega$  mesons in pp collisions at  $\sqrt{s}=7$  TeV**  
Acharya S., Adamová D., Adler A., Adolfsson 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)

- CLXXXIV. **Dielectron production in proton-proton and proton-lead 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.  
Physical Review C, vol.102, no.5, 2020 (SCI-Expanded)
- CLXXXV. **Elliptic and triangular flow of (anti)deuterons in 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.  
Physical Review C, vol.102, no.5, 2020 (SCI-Expanded)
- CLXXXVI. **Multiplicity dependence of inclusive  $J/\psi$  production at midrapidity 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.  
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.810, 2020 (SCI-Expanded)
- CLXXXVII. **Measurement of isolated photon-hadron correlations in  $\sqrt{s_{NN}} = 5.02$  TeV pp and p-Pb collisions**  
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.102, no.4, 2020 (SCI-Expanded)
- CLXXXVIII. **Measurement of the Low-Energy Antideuteron Inelastic Cross Section**  
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 Letters, vol.125, no.16, 2020 (SCI-Expanded)
- CLXXXIX. **Azimuthal correlations of prompt D mesons with charged particles in pp and p-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.  
European Physical Journal C, vol.80, no.10, 2020 (SCI-Expanded)
- CXC.  **$J/\psi$  elliptic and triangular flow in 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.  
Journal of High Energy Physics, vol.2020, no.10, 2020 (SCI-Expanded)
- CXCI. **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., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., et al.  
Journal of High Energy Physics, vol.2020, no.9, 2020 (SCI-Expanded)
- CXCII. **(Anti-)deuteron production in pp collisions at  $\sqrt{s}=13$  TeV**  
Acharya S., Adamová D., Adler A., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., et al.  
European Physical Journal C, vol.80, no.9, 2020 (SCI-Expanded)
- CXCIII.  **$J/\psi$  production as a function of charged-particle multiplicity 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.  
Journal of High Energy Physics, vol.2020, no.9, 2020 (SCI-Expanded)
- CXCIV. **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.  
Journal of High Energy Physics, vol.2020, no.9, 2020 (SCI-Expanded)
- CXCV. **Global baryon number conservation encoded in net-proton fluctuations measured in Pb-Pb collisions at  $\sqrt{s_{NN}}=2.76$  TeV**  
Acharya S., Adamová D., Adler A., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., et al.

- Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.807, 2020 (SCI-Expanded)
- CXCVI. **Multiplicity dependence of  $K^*(892)0$  and  $\phi(1020)$  production in pp collisions at  $s=13$  TeV**  
 Acharya S., Adamová D., Adler A., Adolfsen J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., et al.  
 Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.807, 2020 (SCI-Expanded)
- CXCVII.  **$K^*(892)0$  and  $\phi(1020)$  production at midrapidity in pp collisions at  $s = 8$  TeV**  
 Acharya S., Adamová D., Adhya S., Adler A., Adolfsen J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., et al.  
 Physical Review C, vol.102, no.2, 2020 (SCI-Expanded)
- CXCVIII. **Multiplicity dependence of  $\pi$ , K, and p production in pp collisions at  $\sqrt{s}=13$  TeV**  
 Acharya S., Adamová D., Adler A., Adolfsen J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., et al.  
 European Physical Journal C, vol.80, no.8, 2020 (SCI-Expanded)
- CXCIX.  **$Y$  production in p-Pb collisions at  $s_{NN}=8.16$  TeV**  
 Acharya S., Adamová D., Adler A., Adolfsen J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., et al.  
 Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.806, 2020 (SCI-Expanded)
- CC. **Probing the Effects of Strong Electromagnetic Fields with Charge-Dependent Directed Flow in Pb-Pb Collisions at the LHC**  
 Acharya S., Adamová D., Adler A., Adolfsen J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., et al.  
 Physical Review Letters, vol.125, no.2, 2020 (SCI-Expanded)
- CCI. **Evidence of Spin-Orbital Angular Momentum Interactions in Relativistic Heavy-Ion Collisions**  
 Acharya S., Adamová D., Adler A., Adolfsen J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., et al.  
 Physical Review Letters, vol.125, no.1, 2020 (SCI-Expanded)
- CCII. **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., Adolfsen J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., et al.  
 Journal of High Energy Physics, vol.2020, no.7, 2020 (SCI-Expanded)
- CCIII. **Measurement of the (anti-)3He elliptic flow in Pb-Pb collisions at  $s_{NN}=5.02$  TeV**  
 Acharya S., Adamová D., Adhya S., Adler A., Adolfsen J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., et al.  
 Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.805, 2020 (SCI-Expanded)
- CCIV. **Investigation of the p- $Z0$  interaction via femtoscopy in pp collisions**  
 Acharya S., Adamová D., Adler A., Adolfsen J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., et al.  
 Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.805, 2020 (SCI-Expanded)
- CCV. **Centrality and transverse momentum dependence of inclusive  $J/\psi$  production at midrapidity in Pb-Pb collisions at  $s_{NN}=5.02$  TeV**  
 Acharya S., Adamová D., Adler A., Adolfsen J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., et al.  
 Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.805, 2020 (SCI-Expanded)
- CCVI. **Jet-hadron correlations measured relative to the second order event plane in Pb-Pb collisions at  $s_{NN} = 2.76$  TeV**  
 Acharya S., Adamová D., Adler A., Adolfsen J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., et al.  
 Physical Review C, vol.101, no.6, 2020 (SCI-Expanded)
- CCVII. **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.

- Journal of High Energy Physics, vol.2020, no.6, 2020 (SCI-Expanded)
- CCVIII. **Coherent photoproduction of  $\rho^0$  vector mesons in ultra-peripheral Pb-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV**  
Acharya S., Adamová D., Adler A., Adolphsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., et al.  
Journal of High Energy Physics, vol.2020, no.6, 2020 (SCI-Expanded)
- CCIX. **Measurement of electrons from semileptonic heavy-flavour hadron decays at midrapidity in pp and Pb-Pb collisions at  $s_{NN}=5.02$  TeV**  
Acharya S., Adamová D., Adhya S., Adler A., Adolphsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., et al.  
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.804, 2020 (SCI-Expanded)
- CCX. **Longitudinal and azimuthal evolution of two-particle transverse momentum correlations in Pb-Pb collisions at  $s_{NN}=2.76$  TeV**  
Acharya S., Adamová D., Adler A., Adolphsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., et al.  
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.804, 2020 (SCI-Expanded)
- CCXI. **Higher harmonic non-linear flow modes of charged hadrons in Pb-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV**  
Acharya S., Adamová D., Adler A., Adolphsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., et al.  
Journal of High Energy Physics, vol.2020, no.5, 2020 (SCI-Expanded)
- CCXII. **Global polarization of  $\Lambda$  hyperons in Pb-Pb collisions at  $s_{NN} = 2.76$  and 5.02 TeV GLOBAL POLARIZATION of  $\Lambda$  and ... S. ACHARYA et al.**  
Acharya S., Adamová D., Adhya S., Adler A., Adolphsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., et al.  
Physical Review C, vol.101, no.4, 2020 (SCI-Expanded)
- CCXIII. **Production of (anti-) He 3 and (anti-) H 3 in p-Pb collisions at  $s_{NN} = 5.02$  TeV**  
Acharya S., Adamová D., Adler A., Adolphsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., et al.  
Physical Review C, vol.101, no.4, 2020 (SCI-Expanded)
- CCXIV. **Production of charged pions, kaons, and (anti-)protons in Pb-Pb and inelastic pp collisions at  $s_{NN} = 5.02$  TeV**  
Acharya S., Adamová D., Adhya S., Adler A., Adolphsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., et al.  
Physical Review C, vol.101, no.4, 2020 (SCI-Expanded)
- CCXV. **Underlying event properties in pp collisions at  $\sqrt{s} = 13$  TeV**  
Acharya S., Adamová D., Adler A., Adolphsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., et al.  
Journal of High Energy Physics, vol.2020, no.4, 2020 (SCI-Expanded)
- CCXVI. **Measurement of strange baryon-antibaryon interactions with femtosopic correlations**  
Acharya S., Adamová D., Adhya S., Adler A., Adolphsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., et al.  
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.802, 2020 (SCI-Expanded)
- CCXVII. **Exploration of jet substructure using iterative declustering in pp and Pb-Pb collisions at LHC energies**  
Acharya S., Adamová D., Adhya S., Adler A., Adolphsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., et al.  
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.802, 2020 (SCI-Expanded)
- CCXVIII. **Evidence of rescattering effect in Pb-Pb collisions at the LHC through production of  $K^*(892)^0$  and  $\phi(1020)$  mesons**  
Acharya S., Adamová D., Adler A., Adolphsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad S., et al.

- Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.802, 2020 (SCI-Expanded)
- CCXXIX. **Scattering Studies with Low-Energy Kaon-Proton Femtoscopy in Proton-Proton Collisions at the LHC**  
Acharya S., Adamová D., Adhya S., Adler A., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., et al.  
Physical Review Letters, vol.124, no.9, 2020 (SCI-Expanded)
- CCXXX. **Measurements of inclusive jet spectra in pp and central 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.  
Physical Review C, vol.101, no.3, 2020 (SCI-Expanded)
- CCXXXI. **Multiplicity dependence of (multi-)strange hadron production in proton-proton collisions at  $\sqrt{s} = 13$  TeV**  
Acharya S., Adamová D., Adhya S., Adler A., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., et al.  
European Physical Journal C, vol.80, no.2, 2020 (SCI-Expanded)
- CCXXXII. **Studies of  $J/\psi$  production at forward rapidity in Pb-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV**  
Acharya S., Adamová D., Adhya S., Adler A., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., et al.  
Journal of High Energy Physics, vol.2020, no.2, 2020 (SCI-Expanded)
- CCXXXIII. **Measurement of electrons from heavy-flavour hadron decays as a function of multiplicity in p-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV**  
Acharya S., Adamová D., Adhya S., Adler A., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., et al.  
Journal of High Energy Physics, vol.2020, no.2, 2020 (SCI-Expanded)
- CCXXXIV. **Measurement of  $\Lambda(1520)$  production in pp collisions at  $\sqrt{s}=7$  TeV and p-Pb collisions at  $\sqrt{s_{NN}}=5.02$  TeV**  
Acharya S., Adamová D., Adhya S., Adler A., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., et al.  
European Physical Journal C, vol.80, no.2, 2020 (SCI-Expanded)
- CCXXXV. **Multiplicity dependence of light (anti-)nuclei production in p-Pb collisions at  $\sqrt{s_{NN}}=5.02$  TeV**  
Acharya S., Adamová D., Adhya S., Adler A., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., et al.  
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.800, 2020 (SCI-Expanded)
- CCXXXVI. **Measurement of prompt  $D^0$ ,  $D^+$ ,  $D^{*+}$ , and  $DS^+$  production in p-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV**  
Acharya S., Adamová D., Adhya S., Adler A., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., et al.  
Journal of High Energy Physics, vol.2019, no.12, 2019 (SCI-Expanded)
- CCXXXVII. **Measurement of charged jet cross section in pp collisions at  $\sqrt{s} = 5.02$  TeV**  
Acharya S., Adamová D., Adhya S., Adler A., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., et al.  
Physical Review D, vol.100, no.9, 2019 (SCI-Expanded)
- CCXXXVIII. **Coherent  $J/\psi$  photoproduction at forward rapidity in ultra-peripheral Pb-Pb collisions at  $\sqrt{s_{NN}}=5.02$  TeV**  
Acharya S., Adamová D., Adhya S., Adler A., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., et al.  
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.798, 2019 (SCI-Expanded)
- CCXXXIX. **Measurement of  $\gamma(1S)$  Elliptic Flow at Forward Rapidity in Pb-Pb Collisions at  $\sqrt{s_{NN}} = 5.02$  TeV**  
Acharya S., Adamová D., Adhya S., Adler A., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., et al.  
Physical Review Letters, vol.123, no.19, 2019 (SCI-Expanded)
- CCXXXX. **Measurement of the inclusive isolated photon production cross section in pp collisions at  $\sqrt{s}=7$  TeV**  
Acharya S., Adamová D., Adhya S., Adler A., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N.,

- Ahammed Z., et al.  
European Physical Journal C, vol.79, no.11, 2019 (SCI-Expanded)
- CCXXXI. **Study of the  $\Lambda$ - $\Lambda$  interaction with femtoscopy correlations in pp and p-Pb collisions at the LHC**  
Acharya S., Adamová D., Adhya S., Adler A., Adolfsen J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., et al.  
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.797, 2019 (SCI-Expanded)
- CCXXXII. **Two-particle differential transverse momentum and number density correlations in p-Pb collisions at 5.02 TeV and Pb-Pb collisions at 2.76 TeV at the CERN Large Hadron Collider**  
Acharya S., Adamová D., Adolfsen J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahn S., Aiola S., et al.  
Physical Review C, vol.100, no.4, 2019 (SCI-Expanded)
- CCXXXIII. **HA3 and  $H^{-}\Lambda^{-3}$  lifetime measurement in Pb-Pb collisions at  $\sqrt{s_{NN}}=5.02$  TeV via two-body decay**  
Acharya S., Adamová D., Adhya S., Adler A., Adolfsen J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., et al.  
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.797, 2019 (SCI-Expanded)
- CCXXXIV. **Investigations of Anisotropic Flow Using Multiparticle Azimuthal Correlations in pp, p-Pb, Xe-Xe, and Pb-Pb Collisions at the LHC**  
Acharya S., Adamová D., Adhya S., Adler A., Adolfsen J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., et al.  
Physical Review Letters, vol.123, no.14, 2019 (SCI-Expanded)
- CCXXXV. **Inclusive  $J/\psi$  production at mid-rapidity in pp collisions at  $\sqrt{s} = 5.02$  TeV**  
Acharya S., Adamová D., Adhya S., Adler A., Adolfsen J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., et al.  
Journal of High Energy Physics, vol.2019, no.10, 2019 (SCI-Expanded)
- CCXXXVI. **First observation of an attractive interaction between a proton and a cascade baryon**  
Acharya S., Adamová D., Adhya S., Adler A., Adolfsen J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., et al.  
Physical Review Letters, vol.123, no.11, 2019 (SCI-Expanded)
- CCXXXVII. **Measurement of jet radial profiles in Pb-Pb collisions at  $\sqrt{s_{NN}}=2.76$  TeV**  
Acharya S., Adamová D., Adhya S., Adler A., Adolfsen J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., et al.  
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.796, pp.204-219, 2019 (SCI-Expanded)
- CCXXXVIII. **Real-time data processing in the ALICE High Level Trigger at the LHC**  
Acharya S., Acosta F., Adamová D., Adhya S., Adler A., Adolfsen J., Aggarwal M., Aglieri Rinella G., Agnello M., Ahammed Z., et al.  
Computer Physics Communications, vol.242, pp.25-48, 2019 (SCI-Expanded)
- CCXXXIX. **Production of muons from heavy-flavour hadron decays in pp collisions at  $\sqrt{s} = 5.02$  TeV**  
Acharya S., Adamová D., Adhya S., Adler A., Adolfsen J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., et al.  
Journal of High Energy Physics, vol.2019, no.9, 2019 (SCI-Expanded)
- CCXL. **Event-shape and multiplicity dependence of freeze-out radii in pp collisions at  $\sqrt{s} = 7$  TeV**  
Acharya S., Adamová D., Adhya S., Adler A., Adolfsen J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., et al.  
Journal of High Energy Physics, vol.2019, no.9, 2019 (SCI-Expanded)
- CCXLI. **One-dimensional charged kaon femtoscopy in p-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV**  
Acharya S., Adamová D., Adhya S., Adler A., Adolfsen J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., et al.  
Physical Review C, vol.100, no.2, 2019 (SCI-Expanded)
- CCXLII. **Measurement of the production of charm jets tagged with D0 mesons in pp collisions at  $\sqrt{s}=7$  TeV**  
Acharya S., Adamová D., Adhya S., Adler A., Adolfsen J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N.,

- Ahmed Z., et al.  
Journal of High Energy Physics, vol.2019, no.8, 2019 (SCI-Expanded)
- CCXLIII. **Multiplicity dependence of (anti-)deuteron production in pp collisions at  $\sqrt{s}=7\text{TeV}$**   
Acharya S., Acosta F., Adamová D., Adhya S., Adler A., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Ahmed Z., et al.  
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.794, pp.50-63, 2019 (SCI-Expanded)
- CCXLIV.  **$\Lambda$  c + production in Pb–Pb collisions at  $\sqrt{s_{NN}}=5.02\text{ TeV}$**   
Acharya S., Acosta F., Adamová D., Adhya S., Adler A., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., et al.  
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.793, pp.212-223, 2019 (SCI-Expanded)
- CCXLV. **Analysis of the apparent nuclear modification in peripheral Pb–Pb collisions at  $5.02\text{ TeV}$**   
Acharya S., Acosta F., Adamová D., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahmed Z., Ahn S., et al.  
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.793, pp.420-432, 2019 (SCI-Expanded)
- CCXLVI. **Production of the  $\rho(770)0$  meson in pp and Pb-Pb collisions at  $\sqrt{s_{NN}}=2.76\text{ TeV}$**   
Acharya S., Acosta F., Adamová D., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahmed Z., Ahn S., et al.  
Physical Review C, vol.99, no.6, 2019 (SCI-Expanded)
- CCXLVII. **Energy dependence of exclusive J /  $\psi$  photoproduction off protons in ultra-peripheral p–Pb collisions at  $\sqrt{s_{NN}}=5.02\text{ TeV}$**   
Acharya S., Acosta F., Adam J., Adamová D., Adler A., Adolfsson J., Aggarwal M., Rinella G. A., Agnello M., Agrawal N., et al.  
European Physical Journal C, vol.79, no.5, 2019 (SCI-Expanded)
- CCXLVIII. **Charged-particle pseudorapidity density at mid-rapidity in p–Pb collisions at  $\sqrt{s_{NN}}=8.16\text{ TeV}$**   
Acharya S., Acosta F., Adamová D., Adhya S., Adler A., Adolfsson J., Aggarwal M., Rinella G. A., Agnello M., Ahmed Z., et al.  
European Physical Journal C, vol.79, no.4, 2019 (SCI-Expanded)
- CCXLIX. **Measuring KS  $0K_{\pm}$  interactions using pp collisions at  $\sqrt{s}=7\text{ TeV}$**   
Acharya S., Acosta F., Adamová D., Adler A., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahmed Z., et al.  
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.790, pp.22-34, 2019 (SCI-Expanded)
- CCL.  **$\Upsilon$  suppression at forward rapidity in Pb–Pb collisions at  $\sqrt{s_{NN}}=5.02\text{TeV}$**   
Acharya S., Acosta F., Adamová D., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahmed Z., Ahn S., et al.  
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.790, pp.89-101, 2019 (SCI-Expanded)
- CCLI. **Centrality and pseudorapidity dependence of the charged-particle multiplicity density in Xe–Xe collisions at  $\sqrt{s_{NN}}=5.44\text{TeV}$**   
Acharya S., Torales-Acosta F., Adamová D., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahmed Z., Ahn S., et al.  
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.790, pp.35-48, 2019 (SCI-Expanded)
- CCLII. **Jet fragmentation transverse momentum measurements from di-hadron correlations in  $\sqrt{s}=7\text{ TeV}$  pp and  $\sqrt{s_{NN}}=5.02\text{ TeV}$  p–Pb collisions**  
Acharya S., Acosta F., Adamová D., Adhya S., Adler A., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Ahmed Z., et al.  
Journal of High Energy Physics, vol.2019, no.3, 2019 (SCI-Expanded)

- CCLIII. **Azimuthal Anisotropy of Heavy-Flavor Decay Electrons in p -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.  
 Physical Review Letters, vol.122, no.7, 2019 (SCI-Expanded)
- CCLIV. **Direct photon production at low transverse momentum in proton-proton collisions at  $s = 2.76$  and 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.  
 Physical Review C, vol.99, no.2, 2019 (SCI-Expanded)
- CCLV. **Measurement of dielectron production in central Pb-Pb collisions at  $s_{NN} = 2.76$  TeV**  
 Acharya S., Acosta F., Adamová D., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahn S., et al.  
 Physical Review C, vol.99, no.2, 2019 (SCI-Expanded)
- CCLVI. **p-p, p-A , and A-A correlations studied via femtoscopy in pp reactions at  $s = 7$  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 C, vol.99, no.2, 2019 (SCI-Expanded)
- CCLVII. **Direct photon elliptic flow in Pb-Pb collisions at  $s_{NN} = 2.76$  TeV**  
 Acharya S., Acosta F., Adamová D., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahn S., et al.  
 Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.789, pp.308-322, 2019 (SCI-Expanded)
- CCLVIII. **Multiplicity dependence of light-flavor hadron production in pp collisions at  $s = 7$  TeV**  
 Acharya S., Acosta F., Adamová D., Adler A., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., et al.  
 Physical Review C, vol.99, no.2, 2019 (SCI-Expanded)
- CCLIX. **Suppression of  $\Lambda(1520)$  resonance production in central Pb-Pb collisions at  $s_{NN} = 2.76$  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 C, vol.99, no.2, 2019 (SCI-Expanded)
- CCLX. **ALICE Collaboration**  
 Acharya S., Acosta F., Adamová D., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahn S., et al.  
 Nuclear Physics A, vol.982, pp.975-984, 2019 (SCI-Expanded)
- CCLXI. **Event-Shape Engineering for the D-meson elliptic flow in mid-central Pb-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV**  
 Acharya S., Acosta F., Adamová D., Adler A., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., et al.  
 Journal of High Energy Physics, vol.2019, no.2, 2019 (SCI-Expanded)
- CCLXII. **Study of  $J/\psi$  azimuthal anisotropy at forward rapidity in Pb-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV**  
 Acharya S., Acosta F., Adamová D., Adler A., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., et al.  
 Journal of High Energy Physics, vol.2019, no.2, 2019 (SCI-Expanded)
- CCLXIII. **Transverse momentum spectra and nuclear modification factors of charged particles in Xe-Xe collisions at  $s_{NN} = 5.44$  TeV**  
 Acharya S., Acosta F., Adamová D., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahn S., et al.  
 Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.788, pp.166-179, 2019 (SCI-Expanded)
- CCLXIV. **Dielectron and heavy-quark production in inelastic and high-multiplicity proton-proton collisions at  $s = 13$  TeV**



- Acharya S., Torales-Acosta F., Adamová D., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahn S., et al.  
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.788, pp.505-518, 2019 (SCI-Expanded)
- CCLXV. **Charged jet cross section and fragmentation in proton-proton collisions at  $s = 7$  TeV**  
Acharya S., Adamová D., Adler A., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahn S., et al.  
Physical Review D, vol.99, no.1, 2019 (SCI-Expanded)
- CCLXVI. **Transverse momentum spectra and nuclear modification factors of charged particles in pp, p-Pb and Pb-Pb collisions at the LHC**  
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.11, 2018 (SCI-Expanded)
- CCLXVII. **Azimuthally-differential pion femtoscopy relative to the third harmonic event plane in Pb-Pb collisions at  $s_{NN}=2.76$  TeV**  
Acharya S., Acosta F., Adamová D., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahn S., et al.  
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.785, pp.320-331, 2018 (SCI-Expanded)
- CCLXVIII. **Inclusive  $J/\psi$  production in Xe-Xe collisions at  $s_{NN}=5.44$  TeV**  
Acharya S., Acosta F., Adamová D., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahn S., et al.  
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.785, pp.419-428, 2018 (SCI-Expanded)
- CCLXIX. **Neutral pion and  $\eta$  meson production at midrapidity in Pb-Pb collisions at  $s_{NN} = 2.76$  TeV**  
Acharya S., Acosta F., Adamová D., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahn S., et al.  
Physical Review C, vol.98, no.4, 2018 (SCI-Expanded)
- CCLXX. **Medium modification of the shape of small-radius jets in central Pb-Pb collisions at  $\sqrt{s_{NN}}=2.76$  TeV**  
Acharya S., Acosta F., Adamová D., Adler A., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., et al.  
Journal of High Energy Physics, vol.2018, no.10, 2018 (SCI-Expanded)
- CCLXXI. **Measurement of  $D^0$ ,  $D^+$ ,  $D^{*+}$  and  $D_s$  + production in Pb-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.10, 2018 (SCI-Expanded)
- CCLXXII. **Measurements of low- $p_T$  electrons from semileptonic heavy-flavour hadron decays at mid-rapidity in pp and 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.  
Journal of High Energy Physics, vol.2018, no.10, 2018 (SCI-Expanded)
- CCLXXIII. **Anisotropic flow in Xe-Xe collisions at  $s_{NN}=5.44$  TeV**  
Acharya S., Acosta F., Adamová D., Adolfsson J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahn S., et al.  
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.784, pp.82-95, 2018 (SCI-Expanded)
- CCLXXIV. **Dielectron production in proton-proton collisions at  $\sqrt{s}=7$  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.9, 2018 (SCI-Expanded)
- CCLXXV. **Anisotropic flow of identified particles in Pb-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.9, 2018 (SCI-Expanded)
- CCLXXVI. **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**  
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.783, pp.95-113, 2018 (SCI-Expanded)
- CCLXXVII. **Neutral pion and  $\eta$  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.  
European Physical Journal C, vol.78, no.8, 2018 (SCI-Expanded)
- :CLXXVIII. **Inclusive  $J/\psi$  production at forward and backward rapidity in p–Pb collisions at  $\sqrt{s_{NN}}=8.16$  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.7, 2018 (SCI-Expanded)
- CCLXXIX.  **$\phi$  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)
- CCLXXX. **Measurement of the inclusive  $J/\psi$  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)
- CCLXXXI. **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.  
Journal of High Energy Physics, vol.2018, no.7, 2018 (SCI-Expanded)
- CCLXXXII. **First measurement of  $\Xi_c^0$  production in pp collisions at  $s=7$  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.781, pp.8-19, 2018 (SCI-Expanded)
- :CLXXXIII. **Longitudinal asymmetry and its effect on pseudorapidity distributions 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.  
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.781, pp.20-32, 2018 (SCI-Expanded)
- :CLXXXIV. **Prompt and non-prompt  $J/\psi$  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)
- CCLXXXV. **Measurement of  $Z^0$ -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)

- :CLXXXVI. **Search for collectivity with azimuthal  $J/\psi$ -hadron correlations in high multiplicity p-Pb collisions at  $\sqrt{s_{NN}}=5.02$  and 8.16 TeV**  
 Acharya S., Adamová D., Adolfsen 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)
- CLXXXVII.  **$\Lambda$  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., Adolfsen 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)
- :LXXXVIII. **D-Meson Azimuthal Anisotropy in Midcentral Pb-Pb Collisions at  $\sqrt{s_{NN}}=5.02$  TeV**  
 Acharya S., Adamová D., Adolfsen 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)
- :CLXXXIX. **Production of  $4\text{He}$  and  $\text{He}^{-4}$  in Pb-Pb collisions at  $\sqrt{s_{NN}}=2.76$  TeV at the LHC**  
 Acharya S., Adamová D., Adolfsen 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)
- CCXC.  **$\pi^0$  and  $\eta$  meson production in proton-proton collisions at  $\sqrt{s}=8$  TeV**  
 Acharya S., Adam J., Adamová D., Adolfsen J., Aggarwal M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., Ahmad N., et al.  
 European Physical Journal C, vol.78, no.3, 2018 (SCI-Expanded)
- CCXCI. **Production of deuterons, tritons,  $\text{He}^3$  nuclei, and their antinuclei in pp collisions at  $\sqrt{s}=0.9, 2.76,$  and 7 TeV**  
 Acharya S., Adam J., Adamová D., Adolfsen 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)
- CCXCII. **Systematic studies of correlations between different order flow harmonics in Pb-Pb collisions at  $\sqrt{s_{NN}}=2.76$  TeV**  
 Acharya S., Adam J., Adamová D., Adolfsen 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)
- CCXCIII. **The ALICE transition radiation detector: Construction, operation, and performance**  
 Acharya S., Adam J., Adamova D., Adler C., Adolfsen 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)
- CCXCIV. **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., Adolfsen 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)
- CCXCV. **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)
- CCXCVI.  **$J/\psi$  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)

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

Acharya S., Adam J., Adamová D., Adolfsen 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)

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

Acharya S., Adamová D., Adolfsen 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)

CCXCIX. **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., Adolfsen 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)

CCC. **Measuring KS  $0K_{\pm}$  interactions using Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV**

Acharya S., Adamová D., Adolfsen 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)

CCCI. **ALICE Collaboration**

Acharya S., Adam J., Adamová D., Adolfsen 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)

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

Acharya S., Adamová D., Adolfsen 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)

CCCIII. **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., Adolfsen 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)

CCCIV. **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)

CCCV. **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)

CCCVI. **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)

CCCVII. **Searches for transverse momentum dependent flow vector fluctuations in Pb-Pb and p-Pb collisions**

**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.

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

**CCCVIII. 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)

**CCCIX. 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)

**CCCX. 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)

**CCCXI. 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)

**CCCXII.  $K^*(892)0$  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)

**CCCXIII. 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)

**CCCXIV. 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)

**CCCXV. Energy dependence of forward-rapidity J /  $\psi$  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)

**CCCXVI. 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)

**CCCXVII.  $\phi$ -Meson production at forward rapidity in p-Pb collisions at  $\sqrt{s_{NN}}=5.02$  TeV and in pp collisions at  $\sqrt{s}=2.76$  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)

- CCCXVIII. **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)
- CCCXIX. **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)
- CCCXX. **J/ $\psi$  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)
- CCCXXI. **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)
- CCCXXII. **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)
- CCCXXIII. **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)
- CCCXXIV. **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)
- CCCXXV. **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)
- CCCXXVI. **Pseudorapidity dependence of the anisotropic flow of charged particles 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.  
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.762, pp.376-388, 2016 (SCI-Expanded)
- CCCXXVII. **Correlated Event-by-Event Fluctuations of Flow Harmonics 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 Letters, vol.117, no.18, 2016 (SCI-Expanded)
- CCCXXVIII. **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)

- CCCXXIX. **Multiplicity dependence of charged pion, kaon, and (anti)proton production at large transverse momentum 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.  
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.760, pp.720-735, 2016 (SCI-Expanded)
- CCCXXX. **Elliptic flow of electrons from heavy-flavour hadron decays at mid-rapidity 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.  
Journal of High Energy Physics, vol.2016, no.9, 2016 (SCI-Expanded)
- CCCXXXI. **Higher harmonic flow coefficients of identified hadrons 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.  
Journal of High Energy Physics, vol.2016, no.9, 2016 (SCI-Expanded)
- CCCXXXII. **Measurement of D-meson production versus multiplicity 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., Aiola S., Akhmedov A., et al.  
Journal of High Energy Physics, vol.2016, no.8, 2016 (SCI-Expanded)
- CCCXXXIII. **Multi-strange baryon 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.  
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.758, pp.389-401, 2016 (SCI-Expanded)
- CCCXXXIV. **Centrality Dependence of the Charged-Particle Multiplicity Density at Midrapidity 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.22, 2016 (SCI-Expanded)
- CCCXXXV. **Measurement of an Excess in the Yield of  $J/\psi$  at Very Low  $p_T$  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., Akhmedov A., et al.  
Physical Review Letters, vol.116, no.22, 2016 (SCI-Expanded)
- CCCXXXVI. **Centrality dependence of  $\psi(2S)$  suppression 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.2016, no.6, pp.1-23, 2016 (SCI-Expanded)
- CCCXXXVII. **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)
- CCCXXXVIII. **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)
- CCCXXXIX. **Differential studies of inclusive  $J/\psi$  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)

- CCCXL. **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)
- CCCXLI. **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)
- CCCXLII. **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)
- CCCXLIII. **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)
- CCCXLIV. **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)
- CCCXLV. **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)
- CCCXLVI. **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)
- CCCXLVII.  **$3\Delta H$  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)
- CCCXLVIII. **Measurement of electrons from heavy-flavour hadron decays 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., 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)
- CCCXLIX. **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)
- CCCL. **Direct photon 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., 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)



- CCCLI. **Transverse momentum dependence of D-meson production 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., Aiola S., et al.  
Journal of High Energy Physics, vol.2016, no.3, 2016 (SCI-Expanded)
- CCCLII. **Measurement of Ds + production and nuclear modification factor 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., Aiola S., et al.  
Journal of High Energy Physics, vol.2016, no.3, 2016 (SCI-Expanded)
- CCCLIII. **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)
- CCCLIV. **Azimuthal anisotropy of charged jet production in  $\sqrt{s_{NN}}=2.76$  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)
- CCCLV. **Elliptic flow of muons from heavy-flavour hadron decays at forward rapidity 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.753, pp.41-56, 2016 (SCI-Expanded)
- CCCLVI. **Forward-central two-particle correlations 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.753, pp.126-139, 2016 (SCI-Expanded)
- CCCLVII. **Pseudorapidity and transverse-momentum distributions of charged particles in proton-proton collisions at  $\sqrt{s}=13$  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)
- CCCLVIII. **Centrality dependence of pion freeze-out radii 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.2, 2016 (SCI-Expanded)
- CCCLIX. **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)
- CCCLX. **Search for weakly decaying  $\Lambda n^-$  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)

- CCCLXI. **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)
- CCCLXII. **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)
- CCCLXIII. **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)
- CCCLXIV. **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)
- CCCLXV. **Centrality dependence of inclusive  $J/\psi$  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)
- CCCLXVI. **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)
- CCCLXVII. **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)
- :CCLXVIII. **Coherent  $\rho^0$  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)
- CCCLXIX. **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)
- CCCLXX. **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)
- CCCLXXI. **Inclusive, prompt and non-prompt  $J/\psi$  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)

- CCCLXXII. **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)
- CCCLXXIII. **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)
- CCCLXXIV. **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)
- CCCLXXV. **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)
- CCCLXXVI. **Rapidity and transverse-momentum dependence of the inclusive  $J/\psi$  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)
- CCCLXXVII. **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)
- CCCLXXVIII. **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)
- CCCLXXIX. **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)
- CCCLXXX. **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)
- CCCLXXXI. **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)
- CCCLXXXII.  **$K^*(892)0$  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)
- CCCLXXXIII. **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)
- :CLXXXIV. **Measurement of electrons from semileptonic heavy-flavor hadron decays in pp collisions at  $s = 2.76\text{TeV}$**   
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)
- CCLXXXV. **Production of inclusive  $\Upsilon(1S)$  and  $\Upsilon(2S)$  in p-Pb collisions at  $\sqrt{s_{NN}}=5.02\text{ TeV}$**   
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)
- :CLXXXVI. **Production of  $\Sigma(1385)\pm$  and  $\Xi(1530)0$  in proton-proton collisions at  $\sqrt{s} = 7\text{ TeV}$**   
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)
- CLXXXVII. **Exclusive  $J/\psi$  photoproduction off protons in ultraperipheral p -Pb collisions at  $s_{NN} = 5.02\text{TeV}$**   
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)
- :LXXXVIII. **Measurement of prompt D -meson production in p-Pb collisions at  $s_{NN} = 5.02\text{TeV}$**   
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)
- :CLXXXIX. **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.  
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.739, pp.139-151, 2014 (SCI-Expanded)
- CCCXC. **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)
- CCCXCI. **Beauty production in pp collisions at  $\sqrt{s}=2.76\text{ TeV}$  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)
- CCCXCII. **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)
- CCCXCIII. **Measurement of visible cross sections in proton-lead collisions at  $\sqrt{s_{NN}} = 5.02\text{ TeV}$  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)
- CCCXCIV. **Suppression of  $\Upsilon(1S)$  at forward rapidity in Pb-Pb collisions at  $s_{NN}=2.76\text{ TeV}$**   
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)

- CCCXCV. **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)
- CCCXCVI. **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)
- CCCXCVII. **Event-by-event mean pT 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.  
European Physical Journal C, vol.74, no.10, pp.1-15, 2014 (SCI-Expanded)
- CCCXCVIII. **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)
- CCCXCIX. **Azimuthal anisotropy of D -meson 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., Ahmed I., et al.  
Physical Review C - Nuclear Physics, vol.90, no.3, 2014 (SCI-Expanded)
- CD. **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)
- CDI. **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)
- CDII. **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., Ahammed Z., Ahmad N., et al.  
European Physical Journal C, vol.74, no.8, pp.1-21, 2014 (SCI-Expanded)
- CDIII. **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., Ahammed Z., Ahmad N., et al.  
Journal of Physics G: Nuclear and Particle Physics, vol.41, no.8, 2014 (SCI-Expanded)
- CDIV. **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)
- CDV. **Centrality, rapidity and transverse momentum dependence of  $J/\psi$  suppression in Pb-Pb collisions at  $\sqrt{s_{NN}}= 2.76$  TeV**  
Abelev B., Adam J., Adamová D., Aggarwal M., Aglieri Rinella G., Agnello M., Agocs A., Agostinelli A., Agrawal N., Ahammed Z., et al.  
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.734, pp.314-327, 2014 (SCI-Expanded)
- CDVI. **Two- and three-pion quantum statistics correlations in Pb-Pb collisions at  $s_{NN} = 2.76$  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., Ahammed Z., et al.

Physical Review C - Nuclear Physics, vol.89, no.2, 2014 (SCI-Expanded)

### CDVII. Multi-strange baryon production at mid-rapidity in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV

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

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.728, pp.216-227, 2014 (SCI-Expanded)

### CDVIII. Multiplicity dependence of pion, kaon, proton and lambda production in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV

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

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.728, pp.25-38, 2014 (SCI-Expanded)

### CDIX. Suppression of $\psi(2S)$ production in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ 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.2014, no.12, 2014 (SCI-Expanded)

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

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

Journal of High Energy Physics, vol.2014, no.3, 2014 (SCI-Expanded)

### CDXI. 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., Ahammed Z., et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.727, no.4-5, pp.371-380, 2013 (SCI-Expanded)

### CDXII. Directed flow of charged particles at midrapidity relative to the spectator plane in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV

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

Physical Review Letters, vol.111, no.23, 2013 (SCI-Expanded)

### CDXIII. $K_S^0$ and $\Lambda$ production in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV

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

Physical Review Letters, vol.111, no.22, 2013 (SCI-Expanded)

### CDXIV. $J/\psi$ 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)

### CDXV. Centrality dependence of $\pi$ , K, and p production in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV

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

Physical Review C - Nuclear Physics, vol.88, no.4, 2013 (SCI-Expanded)

### CDXVI. Centrality determination of Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV with ALICE

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

Physical Review C - Nuclear Physics, vol.88, no.4, 2013 (SCI-Expanded)

### CDXVII. Performance of the ALICE VZERO system

- Abbas E., Abelev B., Adam J., Adamová D., Adare A., Aggarwal M., Aglieri Rinella G., Agnello M., Agocs A., Agostinelli A., et al.  
Journal of Instrumentation, vol.8, no.10, 2013 (SCI-Expanded)
- CDXVIII. **Centrality dependence of the pseudorapidity density distribution for charged particles in Pb-Pb collisions at  $\sqrt{s_{NN}}=2.76\text{TeV}$**   
Abbas E., Abelev B., Adam J., Adamová D., Adare A., Aggarwal M., Aglieri Rinella G., Agnello M., Agocs A., Agostinelli A., et al.  
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.726, no.4-5, pp.610-622, 2013 (SCI-Expanded)
- CDXIX. **D meson elliptic flow in noncentral 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., Ahammed Z., et al.  
Physical Review Letters, vol.111, no.10, 2013 (SCI-Expanded)
- CDXX. **Multiplicity dependence of two-particle azimuthal correlations in pp collisions at the LHC**  
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 High Energy Physics, vol.2013, no.9, 2013 (SCI-Expanded)
- CDXXI. **Long-range angular correlations of  $\pi$ , K and p in p-Pb collisions at  $s_{NN}=5.02\text{ TeV}$**   
Abelev B., Adam J., Adamová D., Adare A., Aggarwal M., Aglieri Rinella G., Agnello M., Agocs A., Agostinelli A., Ahammed Z., et al.  
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.726, no.1-3, pp.164-177, 2013 (SCI-Expanded)
- CDXXII. **Charge correlations using the balance function 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., Ahammed Z., et al.  
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.723, no.4-5, pp.267-279, 2013 (SCI-Expanded)
- CDXXIII. **Measurement of inelastic, single- and double-diffraction cross sections in proton-proton collisions at the LHC with ALICE**  
Abelev B., Adam J., Adamová D., Adare A., Aggarwal M., Aglieri Rinella G., Agocs A., Agostinelli A., Aguilar Salazar S., Ahammed Z., et al.  
European Physical Journal C, vol.73, no.6, pp.1-20, 2013 (SCI-Expanded)
- CDXXIV. **Measurement of the inclusive differential jet cross section in pp collisions at  $\sqrt{s}=2.76\text{ TeV}$**   
Abelev B., Adam J., Adamová D., Adare A., Aggarwal M., Aglieri Rinella G., Agnello M., Agocs A., Agostinelli A., Ahammed Z., et al.  
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.722, no.4-5, pp.262-272, 2013 (SCI-Expanded)
- CDXXV. **Measurement of electrons from beauty hadron decays in pp collisions at  $\sqrt{s}=7\text{ TeV}$**   
Abelev B., Adam J., Adamová D., Adare A., Aggarwal M., Aglieri Rinella G., Agocs A., Agostinelli A., Aguilar Salazar S., Ahammed Z., et al.  
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.721, no.1-3, pp.13-23, 2013 (SCI-Expanded)
- CDXXVI. **Net-charge fluctuations 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., Agocs A., Agostinelli A., Aguilar Salazar S., Ahammed Z., et al.  
Physical Review Letters, vol.110, no.15, 2013 (SCI-Expanded)
- CDXXVII. **Charged kaon femtoscopic correlations in pp collisions at  $\sqrt{s}=7\text{ TeV}$**   
Abelev B., Adam J., Adamová D., Adare A., Aggarwal M., Aglieri Rinella G., Agnello M., Agocs A., Agostinelli A., Ahammed Z., et al.  
Physical Review D - Particles, Fields, Gravitation and Cosmology, vol.87, no.5, 2013 (SCI-Expanded)
- CDXXVIII. **Centrality dependence of charged particle production at large transverse momentum in Pb-Pb**

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

Abelev B., Adam J., Adamová D., Adare A., Aggarwal M., Aglieri Rinella G., Agocs A., Agostinelli A., Aguilar Salazar S., Ahammed Z., et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.720, no.1-3, pp.52-62, 2013 (SCI-Expanded)

**CDXXXIX. Transverse momentum distribution and nuclear modification factor of charged particles in p+Pb collisions at  $\sqrt{s_{NN}}=5.02$  TeV**

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

Physical Review Letters, vol.110, no.8, 2013 (SCI-Expanded)

**CDXXX. Anisotropic flow of charged hadrons, pions and (anti-)protons measured at high transverse momentum in Pb-Pb collisions at  $\sqrt{s_{NN}}=2.76$  TeV**

Abelev B., Adam J., Adamová D., Adare A., Aggarwal M., Aglieri Rinella G., Agocs A., Agostinelli A., Aguilar Salazar S., Ahammed Z., et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.719, no.1-3, pp.18-28, 2013 (SCI-Expanded)

**CDXXXI. Long-range angular correlations on the near and away side in p-Pb collisions at  $\sqrt{s_{NN}}=5.02$  TeV**

Abelev B., Adam J., Adamova D., Adare A. M., Aggarwal M., Aglieri Rinella G., Agnello M., Agocs A. G., Agostinelli A., Ahammed Z., et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.719, no.1-3, pp.29-41, 2013 (SCI-Expanded)

**CDXXXII. Coherent  $J/\psi$  photoproduction in ultra-peripheral Pb-Pb collisions at  $s_{NN}=2.76$ TeV**

Abelev B., Adam J., Adamová D., Adare A., Aggarwal M., Aglieri Rinella G., Agnello M., Agocs A., Agostinelli A., Aguilar Salazar S., et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.718, no.4-5, pp.1273-1283, 2013 (SCI-Expanded)

**CDXXXIII. Pseudorapidity density of charged particles in p+Pb collisions at  $\sqrt{s_{NN}}=5.02$  TeV**

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

Physical Review Letters, vol.110, no.3, 2013 (SCI-Expanded)

**CDXXXIV. Charge separation relative to the reaction plane in Pb-Pb collisions at  $\sqrt{s_{NN}}=2.76$  TeV**

Abelev B., Adam J., Adamová D., Adare A., Aggarwal M., Aglieri Rinella G., Agocs A., Agostinelli A., Aguilar Salazar S., Ahammed Z., et al.

Physical Review Letters, vol.110, no.1, 2013 (SCI-Expanded)

**CDXXXV. Energy dependence of the transverse momentum distributions of charged particles in pp collisions measured by ALICE**

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

European Physical Journal C, vol.73, no.12, pp.1-12, 2013 (SCI-Expanded)

**CDXXXVI. Mid-rapidity anti-baryon to baryon ratios in pp collisions at  $\sqrt{s} = 0.9, 2.76$  and 7 TeV measured by ALICE**

Abbas E., Abelev B., Adam J., Adamová D., Adare A., Aggarwal M., Aglieri Rinella G., Agnello M., Agocs A., Agostinelli A., et al.

European Physical Journal C, vol.73, no.7, pp.1-22, 2013 (SCI-Expanded)

**CDXXXVII. Charmonium and  $e+e^-$  pair photoproduction at mid-rapidity in ultra-peripheral 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.

European Physical Journal C, vol.73, no.11, pp.1-18, 2013 (SCI-Expanded)

**DXXXVIII. Measurement of electrons from semileptonic heavy-flavor hadron decays in pp collisions at  $\sqrt{s}=7$  TeV**



- Abelev B., Adam J., Adamová D., Adare A., Aggarwal M., Aglieri Rinella G., Agocs A., Agostinelli A., Aguilar Salazar S., Ahammed Z., et al.  
Physical Review D - Particles, Fields, Gravitation and Cosmology, vol.86, no.11, 2012 (SCI-Expanded)
- CDXXXIX. **Measurement of the cross section for electromagnetic dissociation with neutron emission in Pb-Pb collisions at  $\sqrt{s_{NN}}=2.76$  TeV**  
Abelev B., Adam J., Adamová D., Adare A., Aggarwal M., Aglieri Rinella G., Agocs A., Agostinelli A., Aguilar Salazar S., Ahammed Z., et al.  
Physical Review Letters, vol.109, no.25, 2012 (SCI-Expanded)
- CDXL. **Pion, kaon, and proton production in central Pb-Pb collisions at  $\sqrt{s_{NN}}=2.76$  TeV**  
Abelev B., Adam J., Adamová D., Adare A., Aggarwal M., Aglieri Rinella G., Agocs A., Agostinelli A., Aguilar Salazar S., Ahammed Z., et al.  
Physical Review Letters, vol.109, no.25, 2012 (SCI-Expanded)
- CDXLI. **Ds+ meson production at central rapidity in proton-proton collisions at  $\sqrt{s}=7$  TeV**  
Abelev B., Adam J., Adamová D., Adare A., Aggarwal M., Aglieri Rinella G., Agocs A., Agostinelli A., Aguilar Salazar S., Ahammed Z., et al.  
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.718, no.2, pp.279-294, 2012 (SCI-Expanded)
- CDXLII. **Inclusive J/ $\psi$  production in pp collisions at  $\sqrt{s}=2.76$  TeV**  
Abelev B., Adam J., Adamová D., Adare A., Aggarwal M., Aglieri Rinella G., Agocs A., Agostinelli A., Aguilar Salazar S., Ahammed Z., et al.  
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.718, no.2, pp.295-306, 2012 (SCI-Expanded)
- CDXLIII. **Production of  $K^*(892)0$  and  $\phi(1020)$  in pp collisions at  $\sqrt{s}=7$  TeV**  
Abelev B., Adam J., Adamová D., Adare A., Aggarwal M., Aglieri Rinella G., Agocs A., Agostinelli A., Aguilar Salazar S., Ahammed Z., et al.  
European Physical Journal C, vol.72, no.10, pp.1-17, 2012 (SCI-Expanded)
- CDXLIV. **Neutral pion and  $\eta$  meson production in proton-proton collisions at  $s=0.9$  TeV and  $s=7$  TeV**  
Abelev B., Abrahantes Quintana A., Adamová D., Adare A., Aggarwal M., Aglieri Rinella G., Agocs A., Agostinelli A., Aguilar Salazar S., Ahammed Z., et al.  
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.717, no.1-3, pp.162-172, 2012 (SCI-Expanded)
- CDXLV.  **$K_s0K_s0$  correlations in pp collisions at  $s=7$  TeV from the LHC ALICE experiment**  
Abelev B., Adam J., Adamová D., Adare A., Aggarwal M., Aglieri Rinella G., Agocs A., Agostinelli A., Aguilar Salazar S., Ahammed Z., et al.  
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.717, no.1-3, pp.151-161, 2012 (SCI-Expanded)
- CDXLVI. **Suppression of high transverse momentum D mesons in central Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV**  
Abelev B., Adam J., Adamová D., Adare A., Aggarwal M., Aglieri Rinella G., Agocs A., Agostinelli A., Aguilar Salazar S., Ahammed Z., et al.  
Journal of High Energy Physics, vol.2012, no.9, 2012 (SCI-Expanded)
- CDXLVII. **Production of muons from heavy flavor decays at forward rapidity in pp and Pb-Pb collisions at  $\sqrt{s_{NN}}=2.76$  TeV**  
Abelev B., Adam J., Adamová D., Adare A., Aggarwal M., Aglieri Rinella G., Agocs A., Agostinelli A., Aguilar Salazar S., Ahammed Z., et al.  
Physical Review Letters, vol.109, no.11, 2012 (SCI-Expanded)
- CDXLVIII. **Transverse sphericity of primary charged particles in minimum bias proton-proton collisions at  $\sqrt{s} = 0.9, 2.76$  and  $7$  TeV**  
Abelev B., Adam J., Adamová D., Adare A., Aggarwal M., Aglieri Rinella G., Agocs A., Agostinelli A., Aguilar Salazar S., Ahammed Z., et al.  
European Physical Journal C, vol.72, no.9, pp.1-16, 2012 (SCI-Expanded)
- CDXLIX. **Measurement of charm production at central rapidity in proton-proton collisions at  $\sqrt{s} = 2.76$  TeV**

Abelev B., Adam J., Adamová D., Adare A., Aggarwal M., Aglieri Rinella G., Agocs A., Agostinelli A., Aguilar Salazar S., Ahammed Z., et al.

Journal of High Energy Physics, vol.2012, no.7, 2012 (SCI-Expanded)

**CDL.  $J/\psi$  suppression at forward 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., Agocs A., Agostinelli A., Aguilar Salazar S., Ahammed Z., et al.

Physical Review Letters, vol.109, no.7, 2012 (SCI-Expanded)

**CDLI. Underlying event measurements in pp collisions at  $\sqrt{s} = 0.9$  and 7 TeV with the ALICE experiment at the LHC**

Abelev B., Quintana A. A., Adamova D., Adare A. M., Aggarwal M., Rinella G. A., Agocs A. G., Agostinelli A., Salazar S. A., Ahammed Z., et al.

Journal of High Energy Physics, vol.2012, no.7, 2012 (SCI-Expanded)

**CDLII. Multi-strange baryon production in pp collisions at  $\sqrt{s}=7$  TeV with ALICE**

Abelev B., Adam J., Adamová D., Adare A., Aggarwal M., Aglieri Rinella G., Agocs A., Agostinelli A., Aguilar Salazar S., Ahammed Z., et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.712, no.4-5, pp.309-318, 2012 (SCI-Expanded)

**CDLIII.  $J/\psi$  production as a function of charged particle multiplicity in pp collisions at  $s=7\text{TeV}$**

Abelev B., Adam J., Adamová D., Adare A., Aggarwal M., Aglieri Rinella G., Agocs A., Agostinelli A., Aguilar Salazar S., Ahammed Z., et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.712, no.3, pp.165-175, 2012 (SCI-Expanded)

**CDLIV. Light vector meson production in pp collisions at  $s=7\text{TeV}$**

Abelev B., Abrahantes Quintana A., Adamová D., Adare A., Aggarwal M., Aglieri Rinella G., Agocs A., Agostinelli A., Aguilar Salazar S., Ahammed Z., et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.710, no.4-5, pp.557-568, 2012 (SCI-Expanded)

**CDLV. Measurement of event background fluctuations for charged particle jet reconstruction in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV**

Abelev B., Adam J., Adamová D., Adare A., Aggarwal M., Rinella G. A., Agocs A., Agostinelli A., Salazar S. A., Ahammed Z., et al.

Journal of High Energy Physics, vol.2012, no.3, 2012 (SCI-Expanded)

**CDLVI. Particle-yield modification in jetlike azimuthal dihadron correlations in Pb-Pb collisions at  $\sqrt{s_{NN}}=2.76\text{TeV}$**

Aamodt K., Abelev B., Abrahantes Quintana A., Adamová D., Adare A., Aggarwal M., Aglieri Rinella G., Agocs A., Agostinelli A., Aguilar Salazar S., et al.

Physical Review Letters, vol.108, no.9, 2012 (SCI-Expanded)

**CDLVII. Harmonic decomposition of two particle angular correlations in Pb-Pb collisions at  $s_{NN}=2.76\text{TeV}$**

Aamodt K., Abelev B., Abrahantes Quintana A., Adamová D., Adare A., Aggarwal M., Aglieri Rinella G., Agocs A., Agostinelli A., Aguilar Salazar S., et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.708, no.3-5, pp.249-264, 2012 (SCI-Expanded)

**CDLVIII. Heavy flavour decay muon production at forward rapidity in proton-proton collisions at  $s=7$  TeV**

Abelev B., Adam J., Adamová D., Adare A., Aggarwal M., Aglieri Rinella G., Agocs A., Agostinelli A., Aguilar Salazar S., Ahammed Z., et al.

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.708, no.3-5, pp.265-275, 2012 (SCI-Expanded)

**CDLIX. J Polarization in pp Collisions at  $s=7$  TeV**

Abelev B., Abrahantes Quintana A., Adamová D., Adare A., Aggarwal M., Aglieri Rinella G., Agocs A., Agostinelli A., Aguilar Salazar S., Ahammed Z., et al.

Physical Review Letters, vol.108, no.8, 2012 (SCI-Expanded)

- CDLX. **Measurement of prompt  $J/\psi$  and beauty hadron production cross sections at mid-rapidity in pp collisions at  $\sqrt{s} = 7$  TeV**  
Abelev B., Adam J., Adamova D., Marshall Adare A., Aggarwal M., Aglieri Rinella G., Gabor Agocs A., Agostinelli A., Aguilar Salazar S., Ahammed Z., et al.  
Journal of High Energy Physics, vol.2012, no.11, 2012 (SCI-Expanded)
- CDLXI. **Higher harmonic anisotropic flow measurements of charged particles in Pb-Pb collisions at  $\sqrt{s_{NN}}=2.76$  TeV**  
Aamodt K., Abelev B., Abrahantes Quintana A., Adamová D., Adare A., Aggarwal M., Aglieri Rinella G., Agocs A., Agostinelli A., Aguilar Salazar S., et al.  
Physical Review Letters, vol.107, no.3, 2011 (SCI-Expanded)
- CDLXII. **Rapidity and transverse momentum dependence of inclusive  $J/\Psi$  production in pp collisions at  $s=7$  TeV**  
Aamodt K., Abrahantes Quintana A., Adamová D., Adare A., Aggarwal M., Aglieri Rinella G., Agocs A., Agostinelli A., Aguilar Salazar S., Ahammed Z., et al.  
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.704, no.5, pp.442-455, 2011 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Recent resonance results measured with the ALICE detector at the LHC**  
YALÇIN KUZU S., KARASU UYSAL A.  
AIP CONFERENCE PROCEEDINGS, vol.1815, 2017 (Scopus)
- II. **Statistical thermal model analysis of particle production at LHC**  
KARASU UYSAL A.  
JOURNAL OF PHYSICS: CONFERENCE SERIES, vol.707, 2016 (Scopus)
- III. **Production of Hadronic Resonances at LHC Energies with the ALICE Experiment**  
KARASU UYSAL A.  
Journal of Physics: Conference Series, vol.562, 2014 (Scopus)

## Papers Published in Refereed Scientific Meetings

- I. **Antihelium-3 fluxes near Earth using data-driven estimates for annihilation 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.  
37th International Cosmic Ray Conference, ICRC 2021, Virtual, Berlin, Germany, 12 - 23 July 2021, vol.395
- II. **Neutron emission from electromagnetic dissociation of Pb nuclei at  $\sqrt{s_{NN}} = 2.76$  TeV measured with the ALICE ZDC**  
Cortese P., Abelev B., Adam J., Adamova D., Adare A., Aggarwal M., Aglieri Rinella G., Agocs A., Agostinelli A., Aguilar Salazar S., et al.  
1st International Conference on New Frontiers in Physics, ICFP 2012, Kolymbari, Crete, Greece, 10 - 16 June 2012, vol.70

## Supported Projects

Karasu Uysal A., TÜBİTAK - AB COST Project, Comprehensive Multiboson Experiment-Theory Action (COMETA), 2023 - 2027

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

## Metrics

Publication: 468

Citation (Scopus): 25974

H-Index (Scopus): 85

## Non Academic Experience

TUBITAK, TUBITAK, MFAG, Scientific Advisory Member of Mathematics and Physics Research Group

Professional Association, European Commission of Future Accelerators, PECFA, Turkish Representative of ECFA

TÜBİTAK, MFAG Danışma Kurulu Üyesi

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

Professional Association, CERN, ALICE Experiment, Team Leader at the ALICE Collaboration

ECFA, Türkiye CERN Bilim Konseyi, TAEK European Commission for Future Accelerators / ECFA ülke konsey temsilcisi

Professional Association, CERN, ALICE Experiment, Post Doctoral Research Associate

CERN, Araştırmacı