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### Research Areas

Experimental High Energy Physics Studies, Particle Detectors and Calorimeters, Experimental Neutrino Studies, Atmospheric Neutrinos, Cosmic Neutrinos, Biophysics and Medical Physics, Electronics, radio and microwave technologies, Physical Chemistry, Gases, Plasmas and Electrical Discharges Physics, Physical Properties of Gases, Physics of Plasmas, Nuclear Structure, Experimental Methods of Particle and Nuclear Physics, Radioactive decay and in-beam spectroscopy

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

- I. **The upgrade of the ALICE TPC with GEMs and continuous readout**  
Adolfsson J., Ahmed M., Aiola S., Alme J., Alt T., Amend W., Anastasopoulos F., Andrei C., Angelsmark M., Angelov V., et al.  
JOURNAL OF INSTRUMENTATION, vol.16, no.3, 2021 (SCI-Expanded)
- II. **Production of omega mesons in pp collisions at  $\sqrt{s}=7$  TeV**  
Acharya S., Adamova D., Adler A., Adolfsson J., Aggarwal M. M., Rinella G. A., Agnello M., Agrawal N., Ahammed Z., Ahmad S., et al.  
EUROPEAN PHYSICAL JOURNAL C, vol.80, no.12, 2020 (SCI-Expanded)
- III. **Evaluation of high sensitivity flat-panel gaseous detectors of flames, sparks and smoke**  
Abbrescia M., De Cataldo G., Di Mauro A., Martinengo P., Pastore C., Peskov V., Pietropaolo F., Volpe G., Rodionov A.  
JOURNAL OF INSTRUMENTATION, vol.15, no.12, 2020 (SCI-Expanded)
- IV. **Multiplicity dependence of inclusive J/psi production at midrapidity in pp collisions at root  $\sqrt{s}=13$  TeV**  
Acharya S., Adamova D., Adler A., Adolfsson J., Aggarwal M. M., Rinella G. A., Agnello M., Agrawal N., Ahammed Z., Ahmad S., et al.  
PHYSICS LETTERS B, vol.810, 2020 (SCI-Expanded)
- V. **Dielectron production in proton-proton and proton-lead collisions at root  $\sqrt{s(NN)}=5.02$  TeV**  
Acharya S., Adamova D., Adler A., Adolfsson J., Aggarwal M. M., Rinella G. A., Agnello M., Agrawal N., Ahammed Z., Ahmad S., et al.  
PHYSICAL REVIEW C, vol.102, no.5, 2020 (SCI-Expanded)
- VI. **Elliptic and triangular flow of (anti)deuterons in Pb-Pb collisions root  $\sqrt{S-NN}=5.02$  TeV**  
Acharya S., Adamova D., Adler A., Adolfsson J., Aggarwal M. M., Rinella G. A., Agnello M., Agrawal N., Ahammed Z.,

- Ahmad S., et al.  
PHYSICAL REVIEW C, vol.102, no.5, 2020 (SCI-Expanded)
- VII. **J/psi elliptic and triangular flow in Pb-Pb collisions at  $\sqrt{s(NN)}=5.02$  TeV**  
Acharya S., Adamova D., Adler A., Adolphsson J., Aggarwal M. M., Rinella G. A., Agnello M., Agrawal N., Ahammed Z., Ahmad S., et al.  
JOURNAL OF HIGH ENERGY PHYSICS, vol.2020, no.10, 2020 (SCI-Expanded)
- VIII. **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., Adamova D., Adler A., Adolphsson J., Aggarwal M. M., Rinella G. A., Agnello M., Agrawal N., Ahammed Z., Ahmad S., et al.  
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- IX. **Multiplicity dependence of  $K^*(892)(0)$  and  $\phi(1020)$  production in pp collisions at  $\sqrt{s}=13$  TeV**  
Acharya S., Adamova D., Adler A., Adolphsson J., Aggarwal M. M., Rinella G. A., Agnello M., Agrawal N., Ahammed Z., Ahmad S., et al.  
PHYSICS LETTERS B, vol.807, 2020 (SCI-Expanded)
- X. **Global baryon number conservation encoded in net-proton fluctuations measured in Pb-Pb collisions at  $\sqrt{s(NN)}=2.76$  TeV**  
Acharya S., Adamova D., Adler A., Adolphsson J., Aggarwal M. M., Rinella G. A., Agnello M., Agrawal N., Ahammed Z., Ahmad S., et al.  
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- XI. **Measurement of nuclear effects on  $\psi(2S)$  production in p-Pb collisions at  $\sqrt{s(NN)}=8.16$  TeV**  
Acharya S., Adamova D., Adler A., Adolphsson J., Aggarwal M. M., Rinella G. A., Agnello M., Agrawal N., Ahammed Z., Ahmad S., et al.  
JOURNAL OF HIGH ENERGY PHYSICS, vol.2020, no.7, 2020 (SCI-Expanded)
- XII. **Probing the Effects of Strong Electromagnetic Fields with Charge-Dependent Directed Flow in Pb-Pb Collisions at the LHC**  
Acharya S., Adamova D., Adler A., Adolphsson J., Aggarwal M. M., Rinella G. A., Agnello M., Agrawal N., Ahammed Z., Ahmad S., et al.  
PHYSICAL REVIEW LETTERS, vol.125, no.2, 2020 (SCI-Expanded)
- XIII. **Upsilon production in p-Pb collisions at  $\sqrt{s(NN)}=8.16$  TeV**  
Acharya S., Adamova D., Adler A., Adolphsson J., Aggarwal M. M., Rinella G. A., Agnello M., Agrawal N., Ahammed Z., Ahmad S., et al.  
PHYSICS LETTERS B, vol.806, 2020 (SCI-Expanded)
- XIV. **Measurement of the (anti-)He-3 elliptic flow in Pb-Pb collisions at  $\sqrt{s(NN)}=5.02$  TeV**  
Acharya S., Adamova D., Adhya S. P., Adler A., Adolphsson J., Aggarwal M. M., Rinella G. A., Agnello M., Agrawal N., Ahammed Z., et al.  
PHYSICS LETTERS B, vol.805, 2020 (SCI-Expanded)
- XV. **Non-linear flow modes of identified particles in Pb-Pb collisions at  $\sqrt{s(NN)}=5.02$  TeV**  
Acharya S., Acosta F. T., Adam J., Adamova D., Adler A., Adolphsson J., Aggarwal M. M., Rinella G. A., Agnello M., Agrawal N., et al.  
JOURNAL OF HIGH ENERGY PHYSICS, vol.2020, no.6, 2020 (SCI-Expanded)
- XVI. **Investigation of the p-Sigma(0) interaction via femtoscopy in pp collisions**  
Acharya S., Adamova D., Adler A., Adolphsson J., Aggarwal M. M., Rinella G. A., Agnello M., Agrawal N., Ahammed Z., Ahmad S., et al.  
PHYSICS LETTERS B, vol.805, 2020 (SCI-Expanded)
- XVII. **Centrality and transverse momentum dependence of inclusive J/psi production at midrapidity in Pb-Pb collisions at  $\sqrt{s(NN)}=5.02$  TeV**  
Acharya S., Adamova D., Adler A., Adolphsson J., Aggarwal M. M., Rinella G. A., Agnello M., Agrawal N., Ahammed Z., Ahmad S., et al.  
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- XVIII. **Jet-hadron correlations measured relative to the second order event plane in Pb-Pb collisions at**

**root  $s(NN)=2.76$  TeV**

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

PHYSICAL REVIEW C, vol.101, no.6, 2020 (SCI-Expanded)

**XIX. Evidence of Spin-Orbital Angular Momentum Interactions in Relativistic Heavy-Ion Collisions**

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

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**XX. Measurement of electrons from semileptonic heavy-flavour hadron decays at midrapidity in pp and Pb-Pb collisions at root  $s(NN)=5.02$  TeV**

Acharya S., Adamova D., Adhya S. P., Adler A., Adolfsson J., Aggarwal M. M., Rinella G. A., Agnello M., Agrawal N., Ahammed Z., et al.

PHYSICS LETTERS B, vol.804, 2020 (SCI-Expanded)

**XXI. Longitudinal and azimuthal evolution of two-particle transverse momentum correlations in Pb-Pb collisions at root  $s(NN)=2.76$  TeV**

Acharya S., Adamova D., Adhya S. P., Adler A., Adolfsson J., Aggarwal M. M., Rinella G. A., Agnello M., Agrawal N., Ahammed Z., et al.

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**XXII. Higher harmonic non-linear flow modes of charged hadrons in Pb-Pb collisions at root  $s(NN)=5.02$  TeV**

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

JOURNAL OF HIGH ENERGY PHYSICS, vol.2020, no.5, 2020 (SCI-Expanded)

**XXIII. Global polarization of Lambda and (Lambda)over-bar hyperons in Pb-Pb collisions at root  $s(NN)=2.76$  and 5.02 TeV**

Acharya S., Adamova D., Adhya S. P., Adler A., Adolfsson J., Aggarwal M. M., Rinella G. A., Agnello M., Agrawal N., Ahammed Z., et al.

PHYSICAL REVIEW C, vol.101, no.4, 2020 (SCI-Expanded)

**XXIV. Production of charged pions, kaons, and (anti-)protons in Pb-Pb and inelastic pp collisions at root  $s(NN)=5.02$  TeV**

Acharya S., Adamova D., Adhya S. P., Adler A., Adolfsson J., Aggarwal M. M., Rinella G. A., Agnello M., Agrawal N., Ahammed Z., et al.

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**XXV. Underlying event properties in pp collisions at root  $s=13$  TeV**

Acharya S., Acosta F. T., Adam J., Adamova D., Adler A., Adolfsson J., Aggarwal M. M., Rinella G. A., Agnello M., Agrawal N., et al.

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**XXVI. Production of (anti-)He-3 and (anti-)H-3 in p-Pb collisions at root  $s(NN)=5.02$  TeV**

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

PHYSICAL REVIEW C, vol.101, no.4, 2020 (SCI-Expanded)

**XXVII. Exploration of jet substructure using iterative declustering in pp and Pb-Pb collisions at LHC energies**

Acharya S., Acosta F. T., Adam J., Adamova D., Adler A., Adolfsson J., Aggarwal M. M., Rinella G. A., Agnello M., Agrawal N., et al.

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**XXVIII. Measurements of inclusive jet spectra in pp and central Pb-Pb collisions at root  $S-NN=5.02$  TeV**

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

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**XXIX. Scattering Studies with Low-Energy Kaon-Proton Femtoscopy in Proton-Proton Collisions at the LHC**

- Acharya S., Adamova D., Adhya S. P., Adler A., Adolfsson J., Aggarwal M. M., Rinella G. A., Agnello M., Agrawal N., Ahammed Z., et al.  
PHYSICAL REVIEW LETTERS, vol.124, no.9, 2020 (SCI-Expanded)
- XXX. **Measurement of strange baryon-antibaryon interactions with femtoscopic correlations**  
Acharya S., Acosta F. T., Adam J., Adamova D., Adler A., Adolfsson J., Aggarwal M. M., Rinella G. A., Agnello M., Agrawal N., et al.  
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- XXXI. **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., Adamova D., Adhya S. P., Adler A., Adolfsson J., Aggarwal M. M., Rinella A. G., Agnello M., Agrawal N., Ahammed Z., et al.  
EUROPEAN PHYSICAL JOURNAL C, vol.80, no.2, 2020 (SCI-Expanded)
- XXXII. **Studies of J/psi production at forward rapidity in Pb-Pb collisions at  $\sqrt{s(NN)}=5.02$  TeV**  
Acharya S., Adamova D., Adhya S. P., Adler A., Adolfsson J., Aggarwal M. M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., et al.  
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- XXXIII. **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., Adamova D., Adhya S. P., Adler A., Adolfsson J., Aggarwal M. M., Aglieri Rinella G., Agnello M., Agrawal N., Ahammed Z., et al.  
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- XXXIV. **Multiplicity dependence of light (anti-)nuclei production in p-Pb collisions at  $\sqrt{s(NN)}=5.02$  TeV**  
Acharya S., Adamova D., Adhya S. P., Adler A., Adolfsson J., Aggarwal M. M., Rinella G. A., Agnello M., Agrawal N., Ahammed Z., et al.  
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- XXXV. **Measurement of prompt D-0, D+, D\*(+), and D-s(+) production in p-Pb collisions at  $\sqrt{s(NN)}=5.02$  TeV**  
Acharya S., Adamova D., Adhya S. P., Adler A., Adolfsson J., Aggarwal M. M., Rinella G. A., Agnello M., Agrawal N., Ahammed Z., et al.  
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- XXXVI. **Measurement of charged jet cross section in pp collisions at  $\sqrt{s}=5.02$  TeV**  
Acharya S., Adamova D., Adhya S. P., Adler A., Adolfsson J., Aggarwal M. M., Rinella G. A., Agnello M., Agrawal N., Ahammed Z., et al.  
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- XXXVII. **Coherent J/psi photoproduction at forward rapidity in ultra-peripheral Pb-Pb collisions at  $\sqrt{s(NN)}=5.02$  TeV**  
Acharya S., Adamova D., Adhya S. P., Adler A., Adolfsson J., Aggarwal M. M., Rinella G. A., Agnello M., Agrawal N., Ahammed Z., et al.  
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- XXXVIII. **Measurement of Upsilon(1S) Elliptic Flow at Forward Rapidity in Pb-Pb Collisions at  $\sqrt{s(NN)}=5.02$  TeV**  
Acharya S., Adamova D., Adhya S. P., Adler A., Adolfsson J., Aggarwal M. M., Rinella G. A., Agnello M., Agrawal N., Ahammed Z., et al.  
PHYSICAL REVIEW LETTERS, vol.123, no.19, 2019 (SCI-Expanded)
- XXXIX. **Study of the Lambda-Lambda interaction with femtосopy correlations in pp and p-Pb collisions at the LHC**  
Acharya S., Adamova D., Adhya S. P., Adler A., Adolfsson J., Aggarwal M. M., Rinella G. A., Agnello M., Agrawal N., Ahammed Z., et al.  
PHYSICS LETTERS B, vol.797, 2019 (SCI-Expanded)
- XL. **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., Adamova D., Adolfsson J., Aggarwal M. M., Rinella G. A., Agnello M., Agrawal N., Ahammed Z., Ahn S. U., Aiola S., et al.

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- XLII. **H-3( $\Lambda$ ) and ( $\bar{3}$ )( $\Lambda$ )over-bar(H)over-bar lifetime measurement in Pb-Pb collisions at root s(NN)=5.02 TeV via two-body decay**  
Acharya S., Adamova D., Adhya S. P., Adler A., Adolfsson J., Aggarwal M. M., Rinella G. A., Agnello M., Agrawal N., Ahammed Z., et al.  
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- XLIII. **Investigations of Anisotropic Flow Using Multiparticle Azimuthal Correlations in pp, p-Pb, Xe-Xe, and Pb-Pb Collisions at the LHC**  
Acharya S., Adamova D., Adhya S. P., Adler A., Adolfsson J., Aggarwal M. M., Rinella G. A., Agnello M., Agrawal N., Ahammed Z., et al.  
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- XLIV. **Event-shape and multiplicity dependence of freeze-out radii in pp collisions at root s=7 TeV**  
Acharya S., Adamova D., Adhya S. P., Adler A., Adolfsson J., Aggarwal M. M., Rinella G. A., Agnello M., Agrawal N., Ahammed Z., et al.  
JOURNAL OF HIGH ENERGY PHYSICS, vol.2019, no.9, 2019 (SCI-Expanded)
- XLV. **Measurement of jet radial profiles in Pb-Pb collisions at root s(NN)=2.76 TeV**  
Acharya S., Adamova D., Adhya S. P., Adler A., Adolfsson J., Aggarwal M. M., Rinella G. A., Agnello M., Agrawal N., Ahammed Z., et al.  
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Acharya S., Adamova D., Adhya S. P., Adler A., Adolfsson J., Aggarwal M. M., Rinella G. A., Agnello M., Agrawal N., Ahammed Z., et al.  
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- XLVII. **Production of muons from heavy-flavour hadron decays in pp collisions at root s=5.02 TeV**  
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- XLVIII. **Real-time data processing in the ALICE High Level Trigger at the LHC**  
Acharya S., Acosta F. T., Adamova D., Adhya S. P., Adler A., Adolfsson J., Aggarwal M. M., Rinella G. A., Agnello M., Ahammed Z., et al.  
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- XLIX. **One-dimensional charged kaon femtoscopy in p-Pb collisions at root s(NN)=5.02 TeV**  
Acharya S., Adamova D., Adhya S. P., Adler A., Adolfsson J., Aggarwal M. M., Rinella G. A., Agnello M., Agrawal N., Ahammed Z., et al.  
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- L. **Multiplicity dependence of (anti-)deuteron production in pp collisions at root s=7 TeV**  
Acharya S., Acosta F. T., Adamova D., Adhya S. P., Adler A., Adolfsson J., Aggarwal M. M., Rinella G. A., Agnello M., Ahammed Z., et al.  
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- L. **Analysis of the apparent nuclear modification in peripheral Pb-Pb collisions at 5.02 TeV**  
Acharya S., Acosta F. T., Adamova D., Adolfsson J., Aggarwal M. M., Rinella G. A., Agnello M., Agrawal N., Ahammed Z., Ahn S. U., et al.  
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- LI.  **$\Lambda$ (+)(C) production in pb-pb collisions at root S-NN=5.02 TeV**  
Acharya S., Acosta F. T., Adamova D., Adhya S. P., Adler A., Adolfsson J., Aggarwal M. M., Rinella G. A., Agnello M., Agrawal N., et al.  
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- LII. **Production of the rho(770)(0) meson in pp and Pb-Pb collisions at root S-NN=2.76 TeV**  
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- LIII. **Measurement of D-0, D+, D+\* and D-s(+) production in pp collisions at root s=5.02 TeV with ALICE**  
Acharya S., Acosta F. T., Adamova D., Adhya S. P., Adler A., Adolfsen J., Aggarwal M. M., Rinella G. A., Agnello M., Agrawal N., et al.  
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- LIV. **Calibration of the photon spectrometer PHOS of the ALICE experiment**  
Acharya S., Acosta F. T., Adamova D., Adhya S. P., Adler A., Adolfsen J., Aggarwal M. M., Rinella G. A., Agnello M., Ahammed Z., et al.  
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- LV. **Charged-particle pseudorapidity density at mid-rapidity in p-Pb collisions at root S-NN=8.16 TeV**  
Acharya S., Acosta F. T., Adamova D., Adhya S. P., Adler A., Adolfsen J., Aggarwal M. M., Rinella G. A., Agnello M., Ahammed Z., et al.  
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- LVI. **Jet fragmentation transverse momentum measurements from di-hadron correlations in root s7 TeV pp and root sNN=5.02 TeV p-Pb collisions**  
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- LVIII. **Centrality and pseudorapidity dependence of the charged-particle multiplicity density in Xe-Xe collisions at root s(NN)=5.44 TeV**  
Acharya S., Torales-Acosta F., Adamova D., Adolfsen J., Aggarwal M. M., Rinella G. A., Agnello M., Agrawal N., Ahammed Z., Ahn S. U., et al.  
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- LIX. **Relative particle yield fluctuations in Pb-Pb collisions at root s(NN)=2.76 TeV**  
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- LX. **Measuring (KSK +/-)-K-0 interactions using pp collisions at root s=7 TeV**  
Acharya S., Acosta F. T., Adamova D., Adler A., Adolfsen J., Aggarwal M. M., Rinella G. A., Agnello M., Agrawal N., Ahammed Z., et al.  
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- LXI. **Exploring jet profiles in Pb-Pb collisions at 5.02 TeV with the ALICE detector**  
Hosokawa R., Acharya S., Acosta F. T., Adamova D., Adolfsen J., Aggarwal M. M., Rinella G. A., Agnello M., Agrawal N., Ahammed Z., et al.  
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- LXII. **Upgrade of the ALICE central barrel tracking detectors: ITS and TPC**  
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- LXIV. **Investigating correlated fluctuations of conserved charges with net-A fluctuations in Pb-Pb collisions at ALICE**

- Ohlson A., Acharya S., Acosta F. T., Adamova D., Adolfsson J., Aggarwal M. M., Rinella G. A., Agnello M., Agrawal N., Ahammed Z., et al.  
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- LXV. **Addressing the hypertriton lifetime puzzle with ALICE at the LHC**  
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- CXXXIII. **Production of deuterons, tritons, He-3 nuclei, and their antinuclei in pp collisions at  $\sqrt{s}=0.9, 2.76, \text{ and } 7 \text{ TeV}$**   
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- CXXXIV. **The ALICE Transition Radiation Detector: Construction, operation, and performance**  
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- CXLIII. **Measurement of deuteron spectra and elliptic flow in Pb-Pb collisions at  $\sqrt{s(NN)}=2.76 \text{ TeV}$  at the LHC**  
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- CXLVII. **Anomalous Evolution of the Near-Side Jet Peak Shape in Pb-Pb Collisions at root S-NN=2.76 TeV**  
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- CXLVIII. **Measurement of D-meson production at mid-rapidity in pp collisions at root s=7 TeV**  
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- CXLIX. **Insight into particle production mechanisms via angular correlations of identified particles in pp collisions at root s=7 TeV**  
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CLVI. **Energy dependence of forward-rapidity J/psi and psi (2S) production in pp collisions at the LHC**

Acharya S., Adamova D., Aggarwal M. M., Rinella G. A., Agnello M., Agrawal N., Ahammed Z., Ahmad N., Ahn S. U., Aiola S., et al.

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CLVII. **K\*(892)(0) and phi(1020) meson production at high transverse momentum in pp and Pb-Pb collisions at root sNN=2.76 TeV**

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

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CLVIII. **phi-Meson production at forward rapidity in p-Pb collisions at root s(NN)=5.02 TeV and in pp collisions at root s=2.76 TeV**

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

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CLIX. **Production of pi(0) and eta mesons up to high transverse momentum in pp collisions at 2.76 TeV**

Acharya S., Adamova D., Aggarwal M. M., Rinella G. A., Agnello M., Agrawal N., Ahammed Z., Ahmad N., Ahn S. U., Aiola S., et al.

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CLX. **Measurement of azimuthal correlations of D mesons with charged particles in pp collisions at root s=7 TeV and p-Pb collisions at root(NN)-N-s=5.02 TeV**

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

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CLXI. **Flow Dominance and Factorization of Transverse Momentum Correlations in Pb-Pb Collisions at the LHC**

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CLXII. **J/Psi suppression at forward rapidity in Pb-Pb collisions at root s(NN)=5.02 TeV**

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

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CLXIII. **W and Z boson production in p-Pb collisions at TeV root s(NN)=5.02 TeV**

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CLXIV. **Determination of the event collision time with the ALICE detector at the LHC**

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

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CLXV. **Charged-particle multiplicities in proton-proton collisions at root s=0.9 to 8 TeV**

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

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CLXVI. **Jet-like correlations with neutral pion triggers in pp and central Pb-Pb collisions at 2.76 TeV**

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

PHYSICS LETTERS B, vol.763, pp.238-250, 2016 (SCI-Expanded)

- CLXVII. **Pseudorapidity dependence of the anisotropic flow of charged particles in Pb-Pb collisions at root  $s(\text{NN})=2.76$  TeV**  
Adam J., Adamova D., Aggarwal M. M., Rinella G. A., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S. U., Aiola S., et al.  
PHYSICS LETTERS B, vol.762, pp.376-388, 2016 (SCI-Expanded)
- CLXVIII. **D-meson production in p-Pb collisions at root  $S\text{-NN}=5.02$  TeV and in pp collisions at root  $S=7$  TeV**  
Adam J., Adamova D., Aggarwal M. M., Rinella G. A., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S. U., Aiola S., et al.  
PHYSICAL REVIEW C, vol.94, no.5, 2016 (SCI-Expanded)
- CLXIX. **Correlated Event-by-Event Fluctuations of Flow Harmonics in Pb-Pb Collisions at root  $S\text{-NN}=2.76$  TeV**  
Adam J., Adamova D., Aggarwal M. M., Rinella G. A., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S. U., Aiola S., et al.  
PHYSICAL REVIEW LETTERS, vol.117, no.18, 2016 (SCI-Expanded)
- CLXX. **Multiplicity dependence of charged pion, kaon, and (anti)proton production at large transverse momentum in p-Pb collisions root  $S\text{-NN}=5.02$  TeV**  
Adam J., Adamova D., Aggarwal M. M., Rinella G. A., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S. U., Aiola S., et al.  
PHYSICS LETTERS B, vol.760, pp.720-735, 2016 (SCI-Expanded)
- CLXXI. **Higher harmonic flow coefficients of identified hadrons in Pb-Pb collisions at root  $s\text{NN}=2.76$  TeV**  
Adam J., Adamova D., Aggarwal M. M., Rinella G. A., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S. U., Aiola S., et al.  
JOURNAL OF HIGH ENERGY PHYSICS, vol.2016, no.9, 2016 (SCI-Expanded)
- CLXXII. **Measurement of transverse energy at midrapidity in Pb-Pb collisions at root  $s(\text{NN})=2.76$  TeV**  
Adam J., Adamova D., Aggarwal M. M., Rinella G. A., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S. U., Aiola S., et al.  
PHYSICAL REVIEW C, vol.94, no.3, 2016 (SCI-Expanded)
- CLXXIII. **Elliptic flow of electrons from heavy-flavour hadron decays at mid-rapidity in Pb-Pb collisions at root  $s(\text{NN})=2.76$  TeV**  
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- CLXXIV. **Measurement of D-meson production versus multiplicity in p-Pb collisions at root  $s(\text{NN})=5.02$  TeV**  
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JOURNAL OF HIGH ENERGY PHYSICS, vol.2016, no.8, 2016 (SCI-Expanded)
- CLXXV. **Multi-strange baryon production in p-Pb collisions at root  $(\text{NN})\text{-N-S}=5.02$  TeV**  
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- CLXXVI. **Centrality Dependence of the Charged-Particle Multiplicity Density at Midrapidity in Pb-Pb Collisions at root  $(\text{NN})\text{-N-S}=5.02$  TeV**  
Adam J., Adamova D., Aggarwal M. M., Rinella G. A., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S. U., Aiola S., et al.  
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- CLXXVII. **Centrality dependence of  $(\text{sic})(2S)$  suppression in p-Pb collisions at root  $s(\text{NN})=5.02$  TeV**  
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- CLXXVIII. **Measurement of an Excess in the Yield of  $J/\psi$  at Very Low  $p(T)$  in Pb-Pb Collisions at root  $s(\text{NN})=2.76$  TeV**



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- CLXXXIX. **Multipion Bose-Einstein correlations in pp, p-Pb, and Pb-Pb collisions at energies available at the CERN Large Hadron Collider**  
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PHYSICAL REVIEW C, vol.93, no.5, 2016 (SCI-Expanded)
- CLXXX. **Differential studies of inclusive J/psi and psi (2S) production at forward rapidity in Pb-Pb collisions at root s(NN)=2.76 TeV**  
Adam J., Adamova D., Aggarwal M. M., Rinella G. A., Agnello M., Agrawal N., Ahammed Z., Ahn S. U., Aimo I., Aiola S., et al.  
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- CLXXXI. **Centrality dependence of charged jet production in p-Pb collisions at root(NN)-N-S=5.02 TeV**  
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- CLXXXII. **Particle identification in ALICE: a Bayesian approach**  
Adam J., Adamova D., Aggarwal M. M., Rinella G. A., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S. U., Aiola S., et al.  
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- CLXXXIII. **Charge-dependent flow and the search for the chiral magnetic wave in Pb-Pb collisions at root S-NN=2.76 TeV**  
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- CLXXXIV. **Inclusive quarkonium production at forward rapidity in pp collisions at root s=8 TeV**  
Adam J., Adamova D., Aggarwal M. M., Rinella G. A., Agnello M., Agrawal N., Ahammed Z., Ahn S. U., Aiola S., Akindinov A., et al.  
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- CLXXXV. **Anisotropic Flow of Charged Particles in Pb-Pb Collisions at root S-NN=5.02 TeV**  
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PHYSICAL REVIEW LETTERS, vol.116, no.13, 2016 (SCI-Expanded)
- CLXXXVI. **Production of K\*(892)(0) and phi(1020) in p-Pb collisions at root s(NN)=5.02 TeV**  
Adam J., Adamova D., Aggarwal M. M., Rinella G. A., Agnello M., Agrawal N., Ahammed Z., Ahmad S., Ahn S. U., Aiola S., et al.  
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- CLXXXVII. **Direct photon production in Pb-Pb collisions at root s(NN)=2.76 TeV**  
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PHYSICS LETTERS B, vol.754, pp.235-248, 2016 (SCI-Expanded)
- :LXXXVIII. **Event-shape engineering for inclusive spectra and elliptic flow in Pb-Pb collisions at root(NN)-N-S=2.76 TeV**  
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PHYSICAL REVIEW C, vol.93, no.3, 2016 (SCI-Expanded)
- CLXXXIX. **(3)(Lambda)Hand (3)((Lambda)over-bar)(H)over-bar production in Pb-Pb collisions at root s(NN)=2.76 TeV**  
Adam J., Adamova D., Aggarwal M. M., Rinella G. A., Agnello M., Agrawal N., Ahammed Z., Ahn S. U., Aimo I., Aiola S., et al.

PHYSICS LETTERS B, vol.754, pp.360-372, 2016 (SCI-Expanded)

- CXC. **Centrality evolution of the charged-particle pseudorapidity density over a broad pseudorapidity range in Pb-Pb collisions at root  $s(NN)=2.76\text{TeV}$**

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

PHYSICS LETTERS B, vol.754, pp.373-385, 2016 (SCI-Expanded)

- CXCI. **Transverse momentum dependence of D-meson production in Pb-Pb collisions at root  $S\text{-}NN=2.76\text{TeV}$**

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

JOURNAL OF HIGH ENERGY PHYSICS, vol.2016, no.3, 2016 (SCI-Expanded)

- CXCII. **Centrality dependence of the nuclear modification factor of charged pions, kaons, and protons in Pb-Pb collisions at root  $s(NN)=2.76\text{TeV}$**

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

PHYSICAL REVIEW C, vol.93, no.3, 2016 (SCI-Expanded)

- CXCIII. **Measurement of electrons from heavy-flavour hadron decays in p-Pb collisions at root  $s(NN)=5.02\text{TeV}$**

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

PHYSICS LETTERS B, vol.754, pp.81-93, 2016 (SCI-Expanded)

- CXCIV. **Measurement of D-s(+) production and nuclear modification factor in Pb-Pb collisions at root  $S\text{-}NN=2.76\text{TeV}$**

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

JOURNAL OF HIGH ENERGY PHYSICS, vol.2016, no.3, 2016 (SCI-Expanded)

- CXCV. **Elliptic flow of muons from heavy-flavour hadron decays at forward rapidity in Pb-Pb collisions at root  $s(NN)=2.76\text{TeV}$**

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

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- CXCVI. **Forward-central two-particle correlations in p-Pb collisions at root  $s(NN)=5.02\text{TeV}$**

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

PHYSICS LETTERS B, vol.753, pp.126-139, 2016 (SCI-Expanded)

- CXCVII. **Production of light nuclei and anti-nuclei in pp and Pb-Pb collisions at energies available at the CERN Large Hadron Collider**

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

PHYSICAL REVIEW C, vol.93, no.2, 2016 (SCI-Expanded)

- CXCVIII. **Azimuthal anisotropy of charged jet production in root  $s(NN)=2.76\text{TeV}$  Pb-Pb collisions**

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- CXCIX. **Centrality dependence of pion freeze-out radii in Pb-Pb collisions at root  $s(NN)=2.76\text{TeV}$**

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- CC. **Multiplicity and transverse momentum evolution of charge-dependent correlations in pp, p-Pb, and Pb-Pb collisions at the LHC**

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Akindinov A., et al.

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- CCI. **Pseudorapidity and transverse-momentum distributions of charged particles in proton-proton collisions at root  $s=13$  TeV**  
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- CCII. **Study of cosmic ray events with high muon multiplicity using the ALICE detector at the CERN Large Hadron Collider**  
Adam J., Adamova D., Aggarwal M. M., Rinella G. A., Agnello M., Agrawal N., Ahammed Z., Ahn S. U., Aiola S., Akindinov A., et al.  
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PHYSICS LETTERS B, vol.752, pp.267-277, 2016 (SCI-Expanded)
- CCIV. **Coherent  $\psi$  ( $2S$ ) photo-production in ultra-peripheral Pb-Pb collisions at root  $s$ (NN)=2.76TeV**  
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- CCV. **Centrality dependence of inclusive  $J/\psi$  production in p-Pb collisions at root  $S$ -NN=5.02TeV**  
Adam J., Adamova D., Aggarwal M., Rinella G. A., Agnello M., Agrawal N., Ahammed Z., Ahn S. U., Aimo I., Aiola S., et al.  
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- CCVI. **One-dimensional pion, kaon, and proton femtoscopy in Pb-Pb collisions at root(NN)-N-S=2.76 TeV**  
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- CCX. **Coherent  $\rho(0)$  photoproduction in ultra-peripheral Pb-Pb collisions at root  $s$ (NN)=2.76 TeV**  
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- CCXI. **Measurement of jet quenching with semi-inclusive hadron-jet distributions in central Pb-Pb collisions at root  $s$ (NN)=2.76 TeV**  
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- CCXII. **Measurement of charm and beauty production at central rapidity versus charged-particle multiplicity in proton-proton collisions at root  $s=7$  TeV**  
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- CCXVI. **Measurement of jet suppression in central Pb-Pb collisions at root  $s(NN)=2.76$  TeV**  
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- CCXVII. **Centrality dependence of particle production in p-Pb collisions at root  $s(NN)=5.02$  TeV**  
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- CCXVIII. **Measurement of dijet  $k(T)$  in p-Pb collisions at root  $s(NN)=5.02$  TeV**  
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- CCXX. **Forward-backward multiplicity correlations in pp collisions at root  $s=0.9, 2.76$  and  $7$  TeV**  
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Abelev B., Adam J., Adamova D., Aggarwal M. M., Rinella G. A., Agnello M., Agostinelli A., Agrawal N., Ahammed Z., Ahmad N., et al.  
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- CCXXIII. **Two-pion femtoscopy in p-Pb collisions at root  $(NN)-N-S=5.02$  TeV**  
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- PHYSICAL REVIEW C, vol.91, no.3, 2015 (SCI-Expanded)
- CCXXIV. **K\*(892)(0) and phi(1020) production in Pb-Pb collisions at root s(NN)=2.76 TeV**  
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- CCXXVI. **Production of inclusive upsilon(1S) and upsilon(2S) in p-Pb collisions at, root S-NN=5.02 TeV**  
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- CCXXVII. **Measurement of electrons from semileptonic heavy-flavor hadron decays in pp collisions at root s=2.76 TeV**  
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- CCXXX. **Measurement of Prompt D-Meson Production in p-Pb Collisions at root s(NN)=5.02 TeV**  
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- CCXXXVI. **Demonstration of new possibilities of multilayer technology on resistive microstrip/microdot detectors**  
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**photon detector**

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