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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. **Towards development of Spark-Less-Avalanche-Microstructures**
Waldmann T., Fabbietti L., Gasik P., PESKOV V., Ulukutlu B.
Journal of Instrumentation, vol.18, no.7, 2023 (SCI-Expanded)
- II. **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., Anguelov V., et al.
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- III. **Evaluation of high sensitivity flat-panel gaseous detectors of flames, sparks and smoke**
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JOURNAL OF INSTRUMENTATION, vol.15, no.12, 2020 (SCI-Expanded)
- IV. **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.
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- V. **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.
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- VI. **Multiplicity dependence of inclusive J/psi production at midrapidity in pp collisions at root $\sqrt{s}=13$ TeV**
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VIII. **J/psi elliptic and triangular flow in Pb-Pb collisions at root s(NN)=5.02 TeV**

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IX. **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**

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X. **Global baryon number conservation encoded in net-proton fluctuations measured in Pb-Pb collisions at root s(NN)=2.76TeV**

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XII. **Measurement of nuclear effects on $\psi(2S)$ production in p-Pb collisions at root s(NN)=8.16 TeV**

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XIII. **Probing the Effects of Strong Electromagnetic Fields with Charge-Dependent Directed Flow in Pb-Pb Collisions at the LHC**

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XIV. **Upsilon production in p-Pb collisions at root s(NN)=8.16 TeV**

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XV. **Non-linear flow modes of identified particles in Pb-Pb collisions at root S-NN=5.02 TeV**

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XVI. **Investigation of the p-Sigma(0) interaction via femtoscopy in pp collisions**

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

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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**

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XIX. Centrality and transverse momentum dependence of inclusive J/psi production at midrapidity in Pb-Pb collisions at root s NN=5.02 TeV

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XX. Measurement of the (anti-)He-3 elliptic flow in Pb-Pb collisions at root s(NN)=5.02TeV

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

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

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

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

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

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

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XXX. Measurement of strange baryon-antibaryon interactions with femtoscopic correlations

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

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XXXII. Studies of J/psi production at forward rapidity in Pb-Pb collisions at root s(NN)=5.02 TeV

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XXXIII. Measurement of electrons from heavy-flavour hadron decays as a function of multiplicity in p-Pb collisions at root s(NN)=5.02 TeV

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XXXIV. Measurement of Lambda(1520) production in pp collisions at root s=7 TeV and p-Pb collisions at root s(NN)=5.02 TeV

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XXXVI. Measurement of prompt D-0, D+, D*(+), and D-s(+) production in p-Pb collisions at root s(NN)=5.02 TeV

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XXXVII. Measurement of charged jet cross section in pp collisions at root s=5.02 TeV

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LIII. Production of the $\rho(770)(0)$ meson in pp and Pb-Pb collisions at root S-NN=2.76 TeV

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

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LX. Centrality and pseudorapidity dependence of the charged-particle multiplicity density in Xe-Xe collisions at root s(NN)=5.44 TeV

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LXII. Dielectron measurements in pp and Pb-Pb collisions with ALICE at the LHC

Bailhache 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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JOURNAL OF HIGH ENERGY PHYSICS, vol.2019, no.2, 2019 (SCI-Expanded)

- LXV. **Non-strange and strange D-meson and charm-baryon production in heavy-ion collisions measured with ALICE at the LHC**
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- LXVI. **p-p, p-Lambda, and Lambda-Lambda correlations studied via femtoscopy in pp reactions at root s=7 TeV**
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- CXVIII. **Neutral pion and eta meson production in p-Pb collisions at root S-NN=5.02 TeV**

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- CXIX. **Constraints on jet quenching in p-Pb collisions at root s(NN)=5.02 TeV measured by the event-activity dependence of semi-inclusive hadron-jet distributions**

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- CXX. **phi meson production at forward rapidity in Pb-Pb collisions at root s(NN)=2.76 TeV**

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- CXXIII. **Measurement of the inclusive J/psi polarization at forward rapidity in pp collisions at $\sqrt{s}=8$ TeV**
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- CXXIV. **First measurement of $\Xi(0)(c)$ production in pp collisions at $\sqrt{s}=7$ TeV**
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- CXXV. **Prompt and non-prompt J/psi production and nuclear modification at mid-rapidity in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV**
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- CXXVI. **Longitudinal asymmetry and its effect on pseudorapidity distributions in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV**
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- CXXVII. **Measurement of Z(0)-boson production at large rapidities in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV**
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- CXXVIII. **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**
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- CXXIX. **$\Lambda^+(c)$ production in pp collisions at $\sqrt{s}=7$ TeV and in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV**
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- CXXXI. **Production of He-4 and $\langle 4 \rangle$ in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV at the LHC**
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- CXXXII. **D-Meson Azimuthal Anisotropy in Midcentral Pb-Pb Collisions $\sqrt{s_{NN}}=5.02$ TeV**
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- CXXXIII. **The ALICE Transition Radiation Detector: Construction, operation, and performance**
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- CXXXIV. **Production of deuterons, tritons, He-3 nuclei, and their antinuclei in pp collisions at $\sqrt{s}=0.9, 2.76$, and 7 TeV**
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- CXXXV. **Systematic studies of correlations between different order flow harmonics in Pb-Pb collisions at $\sqrt{s(NN)}=2.76$ TeV**
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- CLXVII. **Jet-like correlations with neutral pion triggers in pp and central Pb-Pb collisions at 2.76 TeV**
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- CLXIX. **Pseudorapidity dependence of the anisotropic flow of charged particles in Pb-Pb collisions at root s(NN)=2.76 TeV**
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- CLXX. **Correlated Event-by-Event Fluctuations of Flow Harmonics in Pb-Pb Collisions at root S-NN=2.76 TeV**
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- CLXXII. **Measurement of transverse energy at midrapidity 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., Ahmad S., Ahn S. U., Aiola S., et al.
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- CLXXIII. **Elliptic flow of electrons from heavy-flavour hadron decays at mid-rapidity in Pb-Pb collisions at root s(NN)=2.76 TeV**
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- CLXXIV. **Multiplicity dependence of charged pion, kaon, and (anti)proton production at large transverse momentum in p-Pb collisions root S-NN=5.02 TeV**
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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. **Measurement of an Excess in the Yield of J/psi at Very Low p(T) in Pb-Pb Collisions at root s(NN)=2.76 TeV**
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- CLXXVIII. **Centrality dependence of (sic)(2S) suppression 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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- CLXXIX. **Centrality Dependence of the Charged-Particle Multiplicity Density at Midrapidity in Pb-Pb Collisions at $\sqrt{s_{NN}}=5.02$ TeV**

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- CLXXX. **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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- CLXXXI. **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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- CLXXXII. **Centrality dependence of charged jet production in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ 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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- CLXXXIII. **Differential studies of inclusive J/psi and psi (2S) production at forward rapidity in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ 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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- CLXXXIV. **Anisotropic Flow of Charged Particles in Pb-Pb Collisions at $\sqrt{s_{NN}}=5.02$ 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.

PHYSICAL REVIEW LETTERS, vol.116, no.13, 2016 (SCI-Expanded)

- CLXXXV. **Charge-dependent flow and the search for the chiral magnetic wave in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ 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.

PHYSICAL REVIEW C, vol.93, no.4, 2016 (SCI-Expanded)

- CLXXXVI. **Inclusive quarkonium production at forward rapidity in pp collisions at $\sqrt{s}=8$ 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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- CLXXXVII. **Production of $K^*(892)(0)$ and $\phi(1020)$ in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ 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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- CLXXXVIII. **$(3)(\Lambda)_{\text{Hand}}(3)((\Lambda)_{\text{over-bar}})(H)_{\text{over-bar}}$ production in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ 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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- CLXXXIX. **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., 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)

- CXC. **Centrality dependence of the nuclear modification factor of charged pions, kaons, and protons 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.

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

- CXCI. **Transverse momentum dependence of D-meson 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., Aiola S., Akindinov A., et al.

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- CXCII. **Direct photon 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., Aiola S., Akindinov A., et al.

PHYSICS LETTERS B, vol.754, pp.235-248, 2016 (SCI-Expanded)

- CXCIII. **Measurement of D-s(+) production and nuclear modification factor 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., Aiola S., Akindinov A., et al.

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- CXCIV. **Event-shape engineering for inclusive spectra and elliptic flow in Pb-Pb collisions at root(NN)-N-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.

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

- CXCV. **Measurement of electrons from heavy-flavour hadron decays 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., Ahn S. U., Aiola S., Akindinov A., et al.

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- CXCVI. **Azimuthal anisotropy of charged jet production in root s(NN)=2.76 TeV Pb-Pb collisions**

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

PHYSICS LETTERS B, vol.753, pp.511-525, 2016 (SCI-Expanded)

- CXCVII. **Centrality dependence of pion freeze-out radii 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.

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

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

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

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

- CC. **Pseudorapidity and transverse-momentum distributions of charged particles in proton-proton collisions at root s=13 TeV**

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

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- CCV. **Coherent $\psi(2S)$ photo-production in ultra-peripheral Pb-Pb collisions at $\sqrt{s(NN)}=2.76$ TeV**
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multiplicity in proton-proton collisions at root s=7 TeV

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CCXIII. 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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CCXIV. Inclusive, prompt and non-prompt J/psi production at mid-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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CCXV. Elliptic flow of identified hadrons in Pb-Pb collisions at root(NN)-N-s=2.76 TeV

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CCXVI. Rapidity and transverse-momentum dependence of the inclusive J/psi nuclear modification factor in p-Pb collisions at root s(NN)=5.02 TeV

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CCXVII. Measurement of dijet k(T) in p-Pb collisions at root s(NN)=5.02 TeV

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

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

PHYSICAL REVIEW D, vol.91, no.11, 2015 (SCI-Expanded)

CCXIX. Measurement of jet suppression in central 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., Ahmed I., Ahn S. U., Aimo I., et al.

PHYSICS LETTERS B, vol.746, pp.1-14, 2015 (SCI-Expanded)

CCXX. Centrality dependence of particle production in p-Pb collisions at root s(NN)=5.02 TeV

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

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CCXXI. Forward-backward multiplicity correlations in pp collisions at root s=0.9, 2.76 and 7 TeV

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CCXXII. Measurement of pion, kaon and proton production in proton-proton collisions at root s=7 TeV

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.

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CCXXIII. Inclusive photon production at forward rapidities in proton-proton collisions at root s=0.9, 2.76 and 7 TeV

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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CCXXIV. Two-pion femtoscopy in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV

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.91, no.3, 2015 (SCI-Expanded)

CCXXV. Multiplicity dependence of jet-like two-particle correlation structures in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV

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CCXXVI. $K^*(892)(0)$ and $\phi(1020)$ production in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV

Abelev B., Adam J., Adamova D., Aggarwal M. M., Agnello M., Agostinelli A., Agrawal N., Ahammed Z., Ahmad N., Masoodi A. A., et al.

PHYSICAL REVIEW C, vol.91, no.2, 2015 (SCI-Expanded)

CCXXVII. Measurement of electrons from semileptonic heavy-flavor hadron decays in pp collisions at $\sqrt{s}=2.76$ TeV

Abelev B., Adam J., Adamova D., Aggarwal M. M., Agnello M., Agostinelli A., Agrawal N., Ahammed Z., Ahmad N., Ahmed I., et al.

PHYSICAL REVIEW D, vol.91, no.1, 2015 (SCI-Expanded)

CCXXVIII. Production of $\Sigma(1385)(+/-)$ and $\Xi(1530)(0)$ in proton-proton collisions at $\sqrt{s}=7$ TeV

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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CCXXIX. Production of inclusive $\Upsilon(1S)$ and $\Upsilon(2S)$ in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV

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

PHYSICS LETTERS B, vol.740, pp.105-117, 2015 (SCI-Expanded)

CCXXX. Freeze-out radii extracted from three-pion cumulants in pp, p-Pb and Pb-Pb collisions at the LHC

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CCXXXI. VHMPID RICH prototype using pressurized C4F8O radiator gas and VUV photon detector

Acconcia T. V., Agocs A. G., Barile F., Barnafoeldi G. G., Bellwied R., Bencedi G., Bencze G., Berenyi D., Boldizsar L., Chattopadhyay S., et al.

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CCXXXII. Measurement of Prompt D-Meson Production in p-Pb Collisions at $\sqrt{s_{NN}}=5.02$ TeV

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PHYSICAL REVIEW LETTERS, vol.113, no.23, 2014 (SCI-Expanded)

CCXXXIII. Exclusive J/ ψ Photoproduction off Protons in Ultraperipheral p-Pb Collisions at $\sqrt{s_{NN}}=5.02$ TeV

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

PHYSICAL REVIEW LETTERS, vol.113, no.23, 2014 (SCI-Expanded)

CCXXXIV. R&D on high momentum particle identification with a pressurized Cherenkov radiator

Agocs A. G., Barile F., Barnafoeldi G. G., Bellwied R., Bencedi G., Bencze G., Berenyi D., Boldizsar L., Chattopadhyay S., Chinellato D. D., et al.

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CCXXXV. Demonstration of new possibilities of multilayer technology on resistive microstrip/microdot

detectors

Cairo V., de Oliveira R., Fonte P., Franchino S., Peskov V., Picchi P., Pietropaolo F.
JOURNAL OF INSTRUMENTATION, vol.9, 2014 (SCI-Expanded)

CCXXXVI. **Beauty production in pp collisions at $\sqrt{s}=2.76$ TeV measured via semi-electronic decays**

Abelev B., Adam J., Adamova D., Aggarwal M. M., Rinella G. A., Agnello M., Agostinelli A., Agrawal N., Ahammed Z., Ahmad N., et al.
PHYSICS LETTERS B, vol.738, pp.97-108, 2014 (SCI-Expanded)

CCXXXVII. **Measurement of visible cross sections in proton-lead collisions at $\sqrt{s(NN)}=5.02$ TeV in van der Meer scans with the ALICE detector**

Abelev B., Adam J., Adamova D., Aggarwal M. M., Agnello M., Agostinelli A., Agrawal N., Ahammed Z., Ahmad N., Ahmed I., et al.
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CCXXXVIII. **Multiparticle azimuthal correlations in p-Pb and Pb-Pb collisions at the CERN Large Hadron Collider**

Abelev B., Adam J., Adamova D., Aggarwal M. M., Rinella G. A., Agnello M., Agostinelli A., Agrawal N., Ahammed Z., Ahmad N., et al.
PHYSICAL REVIEW C, vol.90, no.5, 2014 (SCI-Expanded)

CCXXXIX. **Event-by-event mean $p(T)$ fluctuations in pp and Pb-Pb collisions at the LHC**

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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CCXL. **Neutral pion production at midrapidity in pp and Pb-Pb collisions at $\sqrt{s(NN)}=2.76$ TeV**

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CCXLI. **Azimuthal anisotropy of D-meson production in Pb-Pb collisions at $\sqrt{s(NN)}=2.76$ TeV**

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PHYSICAL REVIEW C, vol.90, no.3, 2014 (SCI-Expanded)

CCXLII. **Transverse momentum dependence of inclusive primary charged-particle production in p-Pb collisions at $\sqrt{s(NN)}=5.02$ TeV**

Abelev B., Adam J., Adamova D., Aggarwal M. M., Agnello M., Agostinelli A., Agrawal N., Ahammed Z., Ahmad N., Ahmed I., et al.
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CCXLIII. **Upgrade of the ALICE Experiment Letter Of Intent**

Abelev B., Adam J., Adamova D., Adare A. M., Aggarwal M. M., Rinella G. A., Agnello M., Agocs A. G., Agostinelli A., Ahammed Z., et al.
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CCXLIV. **Measurement of quarkonium production at forward rapidity in collisions at TeV**

Abelev B., Adam J., Adamova D., Aggarwal M. M., Agnello M., Agostinelli A., Agrawal N., Ahammed Z., Ahmad N., Masoodi A. A., et al.
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CCXLV. **A very high momentum particle identification detector**

Acconcia T. V., Agocs A. G., Barile F., Barnafoeldi G. G., Bellwied R., Bencedi G., Bencze G., Berenyi D., Boldizsar L., Chattopadhyay S., et al.
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CCXLVI. **Suppression of $\psi(2S)$ production in p-Pb collisions at $\sqrt{s(NN)}=5.02$ TeV**

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JOURNAL OF HIGH ENERGY PHYSICS, vol.2014, no.12, pp.1-25, 2014 (SCI-Expanded)

CCXLVII. **R&D studies of a RICH detector using pressurized C4F8O radiator gas and a CsI-based gaseous photon detector**

Agocs A. G., Barile F., Barnafoeldi G. G., Bellwied R., Bencedi G., Bencze G., Berenyi D., Boldizsar L., Chattopadhyay S., Chinellato D. D., et al.

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- CCXLVIII. **Development of a new generation of micropattern gaseous detectors for high energy physics, astrophysics and environmental applications**

Peskov V., Di Mauro A., Fonte P., Martinengo P., Nappi E., Oliveira R., Pietropaolo P., Picchi P.

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- CCXLIX. **Centrality determination of Pb-Pb collisions at root $s(NN)=2.76$ TeV with ALICE**

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

PHYSICAL REVIEW C, vol.88, no.4, 2013 (SCI-Expanded)

- CCL. **Centrality dependence of π , K, and p production in Pb-Pb collisions at root $s(NN)=2.76$ TeV**

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

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- CCLI. **Measurement of inelastic, single- and double-diffraction cross sections in proton-proton collisions at the LHC with ALICE**

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

EUROPEAN PHYSICAL JOURNAL C, vol.73, no.6, 2013 (SCI-Expanded)

- CCLII. **Charge correlations using the balance function in Pb-Pb collisions at root $s(NN)=2.76$ TeV**

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

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- CCLIII. **Measurement of the inclusive differential jet cross section in pp collisions at root $s=2.76$ TeV**

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

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- CCLIV. **Net-Charge Fluctuations in Pb-Pb Collisions at root $s(NN)=2.76$ TeV**

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

PHYSICAL REVIEW LETTERS, vol.110, no.15, 2013 (SCI-Expanded)

- CCLV. **Measurement of electrons from beauty hadron decays in pp collisions at root $s=7$ TeV**

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

PHYSICS LETTERS B, vol.721, no.1-3, pp.13-23, 2013 (SCI-Expanded)

- CCLVI. **Centrality dependence of charged particle production at large transverse momentum in Pb-Pb collisions at root $s(NN)=2.76$ TeV**

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

PHYSICS LETTERS B, vol.720, no.1-3, pp.52-62, 2013 (SCI-Expanded)

- CCLVII. **Charged kaon femtoscopic correlations in pp collisions at root $s=7$ TeV**

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

PHYSICAL REVIEW D, vol.87, no.5, 2013 (SCI-Expanded)

- CCLVIII. **Transverse Momentum Distribution and Nuclear Modification Factor of Charged Particles in p plus Pb Collisions at root $(NN)-N-s=5.02$ TeV**

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

PHYSICAL REVIEW LETTERS, vol.110, no.8, 2013 (SCI-Expanded)

- CCLIX. **Long-range angular correlations on the near and away side in p-Pb collisions at root S-NN=5.02 TeV**
Abelev B., Adam J., Adamova D., Adare A. M., Aggarwal M., Rinella G. A., Agnello M., Agocs A. G., Agostinelli A., Ahammed Z., et al.

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- CCLX. **Anisotropic flow of charged hadrons, pions and (anti-)protons measured at high transverse momentum in Pb-Pb collisions at root S-NN=2.76 TeV**

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

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- CCLXI. **Charge separation relative to the reaction plane in Pb-Pb collisions at root s(NN)=2.76 TeV**

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

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- CCLXII. **Pseudorapidity Density of Charged Particles in p plus Pb Collisions at root s(NN)=5.02 TeV**

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

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- CCLXIII. **Coherent J/psi photoproduction in ultra-peripheral Pb-Pb collisions at root s(NN)=2.76 TeV**

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

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- CCLXIV. **D-S(+) meson production at central rapidity in proton-proton collisions at root s=7 TeV**

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

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- CCLXV. **Development and preliminary tests of resistive microdot and microstrip detectors**

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JOURNAL OF INSTRUMENTATION, vol.7, 2012 (SCI-Expanded)

- CCLXVI. **Pion, Kaon, and Proton Production in Central Pb-Pb Collisions at root s(NN)=2.76 TeV**

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

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- CCLXVII. **Measurement of electrons from semileptonic heavy-flavor hadron decays in pp collisions at root s=7 TeV**

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

PHYSICAL REVIEW D, vol.86, no.11, 2012 (SCI-Expanded)

- CCLXVIII. **Inclusive J/psi production in pp collisions at root s=2.76 TeV**

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

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CCXCI. Advances in the development of micropattern gaseous detectors with resistive electrodes

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CCXCIII. Femtoscopy of pp collisions at root $s=0.9$ and 7 TeV at the LHC with two-pion Bose-Einstein correlations

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