

## Selected publications

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## References

- [1] **ALICE** Collaboration, “Anisotropic flow and flow fluctuations of identified hadrons in Pb–Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV,” [arXiv:2206.04587 \[nucl-ex\]](https://arxiv.org/abs/2206.04587).
- [2] S. Acharya *et al.*, “Characterizing the initial conditions of heavy-ion collisions at the LHC with mean transverse momentum and anisotropic flow correlations,” *Phys. Lett. B* **834** (2022) 137393.
- [3] J. E. Parkkila, A. Onnerstad, S. F. Taghavi, C. Mordasini, A. Bilandzic, and D. J. Kim, “New constraints for QCD matter from improved Bayesian parameter estimation in heavy-ion collisions at LHC,” [arXiv:2111.08145 \[hep-ph\]](https://arxiv.org/abs/2111.08145).
- [4] J. E. Parkkila, A. Onnerstad, and D. J. Kim, “Bayesian estimation of the specific shear and bulk viscosity of the quark-gluon plasma with additional flow harmonic observables,” *Phys. Rev. C* **104** no. 5, (2021) 054904, [arXiv:2106.05019 \[hep-ph\]](https://arxiv.org/abs/2106.05019).
- [5] S. Acharya *et al.*, “Jet fragmentation transverse momentum distributions in pp and p-Pb collisions at  $\sqrt{s}$ ,  $\sqrt{s_{NN}} = 5.02$  TeV,” *JHEP* **09** (2021) 211.
- [6] S. Acharya *et al.*, “Long- and short-range correlations and their event-scale dependence in high-multiplicity pp collisions at  $\sqrt{s} = 13$  TeV,” *JHEP* **05** (2021) 290.
- [7] S. Acharya *et al.*, “Measurements of mixed harmonic cumulants in Pb –Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV,” *Phys. Lett. B* **818** (2021) 136354.
- [8] S. Acharya *et al.*, “Multiharmonic Correlations of Different Flow Amplitudes in Pb-Pb Collisions at  $\sqrt{s_{NN}} = 2.76$  TeV,” *Phys. Rev. Lett.* **127** no. 9, (2021) 092302.
- [9] S. Acharya *et al.*, “Higher harmonic non-linear flow modes of charged hadrons in Pb-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV,” *JHEP* **05** (2020) 085.
- [10] S. Acharya *et al.*, “Investigations of Anisotropic Flow Using Multiparticle Azimuthal Correlations in pp, p-Pb, Xe-Xe, and Pb-Pb Collisions at the LHC,” *Phys. Rev. Lett.* **123** no. 14, (2019) 142301.
- [11] S. Acharya *et al.*, “Jet fragmentation transverse momentum measurements from di-hadron correlations in  $\sqrt{s} = 7$  TeV pp and  $\sqrt{s_{NN}} = 5.02$  TeV p-Pb collisions,” *JHEP* **03** (2019) 169.
- [12] S. Acharya *et al.*, “Anisotropic flow in Xe-Xe collisions at  $\sqrt{s_{NN}} = 5.44$  TeV,” *Phys. Lett. B* **784** (2018) 82–95.

- [13] S. Acharya *et al.*, “Energy dependence and fluctuations of anisotropic flow in Pb-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  and  $2.76$  TeV,” *JHEP* **07** (2018) 103.
- [14] S. Acharya *et al.*, “Systematic studies of correlations between different order flow harmonics in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV,” *Phys. Rev. C* **97** no. 2, (2018) 024906.
- [15] J. Adam *et al.*, “Anomalous evolution of the near-side jet peak shape in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV,” *Phys. Rev. Lett.* **119** no. 10, (2017) 102301.
- [16] S. Acharya *et al.*, “Linear and non-linear flow modes in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV,” *Phys. Lett. B* **773** (2017) 68–80.
- [17] J. Adam *et al.*, “Anisotropic flow of charged particles in Pb-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV,” *Phys. Rev. Lett.* **116** no. 13, (2016) 132302.
- [18] J. Adam *et al.*, “Correlated event-by-event fluctuations of flow harmonics in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV,” *Phys. Rev. Lett.* **117** (2016) 182301.
- [19] J. Adam *et al.*, “Higher harmonic flow coefficients of identified hadrons in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV,” *JHEP* **09** (2016) 164.
- [20] B. B. Abelev *et al.*, “Long-range angular correlations of  $\pi$ , K and p in p-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV,” *Phys. Lett. B* **726** (2013) 164–177.
- [21] B. Abelev *et al.*, “Long-range angular correlations on the near and away side in p-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV,” *Phys. Lett. B* **719** (2013) 29–41.
- [22] K. Aamodt *et al.*, “Particle-yield modification in jet-like azimuthal di-hadron correlations in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV,” *Phys. Rev. Lett.* **108** (2012) 092301.
- [23] K. Aamodt *et al.*, “Centrality dependence of the charged-particle multiplicity density at mid-rapidity in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV,” *Phys. Rev. Lett.* **106** (2011) 032301.
- [24] K. Aamodt *et al.*, “Higher harmonic anisotropic flow measurements of charged particles in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV,” *Phys. Rev. Lett.* **107** (2011) 032301.
- [25] **PHENIX** Collaboration, A. Adare *et al.*, “Energy Loss and Flow of Heavy Quarks in Au+Au Collisions at  $\sqrt{s_{NN}} = 200$  GeV,” *Phys. Rev. Lett.* **98** (2007) 172301, [arXiv:nucl-ex/0611018 \[nucl-ex\]](https://arxiv.org/abs/nucl-ex/0611018).
- [26] **PHENIX** Collaboration, A. Adare *et al.*, “ $J/\psi$  Production vs Centrality, Transverse Momentum, and Rapidity in Au+Au Collisions at  $\sqrt{s_{NN}} = 200$  GeV,” *Phys. Rev. Lett.* **98** (2007) 232301, [arXiv:nucl-ex/0611020 \[nucl-ex\]](https://arxiv.org/abs/nucl-ex/0611020).

# Publications

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## References

- [1] **ALICE** Collaboration, S. Acharya *et al.*, “First measurement of the absorption of  ${}^3\text{He}$  nuclei in matter and impact on their propagation in the galaxy,” [arXiv:2202.01549](https://arxiv.org/abs/2202.01549) [nucl-ex].
- [2] **ALICE** Collaboration, S. Acharya *et al.*, “Multiplicity dependence of charged-particle jet production in pp collisions at  $\sqrt{s} = 13 \text{ TeV}$ ,” *Eur. Phys. J. C* **82** no. 6, (2022) 514, [arXiv:2202.01548](https://arxiv.org/abs/2202.01548) [nucl-ex].
- [3] **ALICE** Collaboration, S. Acharya *et al.*, “Measurement of beauty production via non-prompt  $D^0$  mesons in Pb-Pb collisions at  $\sqrt{s_{\text{NN}}} = 5.02 \text{ TeV}$ ,” [arXiv:2202.00815](https://arxiv.org/abs/2202.00815) [nucl-ex].
- [4] **ALICE** Collaboration, S. Acharya *et al.*, “First study of the two-body scattering involving charm hadrons,” *Phys. Rev. D* **106** no. 5, (2022) 052010, [arXiv:2201.05352](https://arxiv.org/abs/2201.05352) [nucl-ex].
- [5] J. E. Parkkila, A. Onnerstad, S. F. Taghavi, C. Mordasini, A. Bilandzic, and D. J. Kim, “New constraints for QCD matter from improved Bayesian parameter estimation in heavy-ion collisions at LHC,” [arXiv:2111.08145](https://arxiv.org/abs/2111.08145) [hep-ph].
- [6] J. E. Parkkila, A. Onnerstad, and D. J. Kim, “Bayesian estimation of the specific shear and bulk viscosity of the quark-gluon plasma with additional flow harmonic observables,” *Phys. Rev. C* **104** no. 5, (2021) 054904, [arXiv:2106.05019](https://arxiv.org/abs/2106.05019) [hep-ph].
- [7] **ALICE** Collaboration, S. Acharya *et al.*, “Forward rapidity  $J/\psi$  production as a function of charged-particle multiplicity in pp collisions at  $\sqrt{s} = 5.02$  and  $13 \text{ TeV}$ ,” *JHEP* **06** (2022) 015, [arXiv:2112.09433](https://arxiv.org/abs/2112.09433) [nucl-ex].
- [8] **ALICE** Collaboration, S. Acharya *et al.*, “Neutral to charged kaon yield fluctuations in Pb – Pb collisions at  $2.76 \text{ TeV}$ ,” *Phys. Lett. B* **832** (2022) 137242, [arXiv:2112.09482](https://arxiv.org/abs/2112.09482) [nucl-ex].
- [9] **ALICE** Collaboration, S. Acharya *et al.*, “Constraining hadronization mechanisms with  $\Lambda_c^+/D^0$  production ratios in Pb-Pb collisions at  $\sqrt{s_{\text{NN}}} = 5.02 \text{ TeV}$ ,” [arXiv:2112.08156](https://arxiv.org/abs/2112.08156) [nucl-ex].
- [10] **ALICE** Collaboration, S. Acharya *et al.*, “Production of light (anti)nuclei in pp collisions at  $\sqrt{s} = 5.02 \text{ TeV}$ ,” *Eur. Phys. J. C* **82** no. 4, (2022) 289, [arXiv:2112.00610](https://arxiv.org/abs/2112.00610) [nucl-ex].
- [11] **ALICE** Collaboration, S. Acharya *et al.*, “Observation of a multiplicity dependence in the  $p_T$ -differential charm baryon-to-meson ratios in proton-proton collisions at  $\sqrt{s} = 13 \text{ TeV}$ ,” *Phys. Lett. B* **829** (2022) 137065, [arXiv:2111.11948](https://arxiv.org/abs/2111.11948) [nucl-ex].

- [12] **ALICE** Collaboration, S. Acharya *et al.*, “Characterizing the initial conditions of heavy-ion collisions at the LHC with mean transverse momentum and anisotropic flow correlations,” *Phys. Lett. B* **834** (2022) 137393, [arXiv:2111.06106 \[nucl-ex\]](#).
- [13] **ALICE** Collaboration, S. Acharya *et al.*, “Investigating charm production and fragmentation via azimuthal correlations of prompt D mesons with charged particles in pp collisions at  $\sqrt{s} = 13$  TeV,” *Eur. Phys. J. C* **82** no. 4, (2022) 335, [arXiv:2110.10043 \[nucl-ex\]](#).
- [14] **ALICE** Collaboration, S. Acharya *et al.*, “Measurement of prompt  $D_s^+$ -meson production and azimuthal anisotropy in Pb–Pb collisions at  $\sqrt{s_{NN}}=5.02\text{TeV}$ ,” *Phys. Lett. B* **827** (2022) 136986, [arXiv:2110.10006 \[nucl-ex\]](#).
- [15] **ALICE** Collaboration, S. Acharya *et al.*, “ $K^*(892)^0$  and  $\phi(1020)$  production in p-Pb collisions at  $\sqrt{s_{NN}} = 8.16$  TeV,” [arXiv:2110.10042 \[nucl-ex\]](#).
- [16] **ALICE** Collaboration, S. Acharya *et al.*, “Prompt  $D^0$ ,  $D^+$ , and  $D^{*+}$  production in Pb–Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV,” *JHEP* **01** (2022) 174, [arXiv:2110.09420 \[nucl-ex\]](#).
- [17] **ALICE** Collaboration, S. Acharya *et al.*, “Measurement of inclusive charged-particle b-jet production in pp and p-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV,” *JHEP* **01** (2022) 178, [arXiv:2110.06104 \[nucl-ex\]](#).
- [18] **ALICE** Collaboration, S. Acharya *et al.*, “Inclusive quarkonium production in pp collisions at  $\sqrt{s} = 5.02$  TeV,” [arXiv:2109.15240 \[nucl-ex\]](#).
- [19] **ALICE** Collaboration, S. Acharya *et al.*, “Production of light (anti)nuclei in pp collisions at  $\sqrt{s} = 13$  TeV,” *JHEP* **01** (2022) 106, [arXiv:2109.13026 \[nucl-ex\]](#).
- [20] **ALICE** Collaboration, S. Acharya *et al.*, “Prompt and non-prompt  $J/\psi$  production cross sections at midrapidity in proton-proton collisions at  $\sqrt{s} = 5.02$  and 13 TeV,” *JHEP* **03** (2022) 190, [arXiv:2108.02523 \[nucl-ex\]](#).
- [21] **ALICE** Collaboration, S. Acharya *et al.*, “Inclusive  $J/\psi$  production at midrapidity in pp collisions at  $\sqrt{s} = 13$  TeV,” *Eur. Phys. J. C* **81** no. 12, (2021) 1121, [arXiv:2108.01906 \[nucl-ex\]](#).
- [22] **A Large Ion Collider Experiment, ALICE** Collaboration, S. Acharya *et al.*, “Measurement of the groomed jet radius and momentum splitting fraction in pp and Pb–Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV,” *Phys. Rev. Lett.* **128** no. 10, (2022) 102001, [arXiv:2107.12984 \[nucl-ex\]](#).
- [23] **ALICE** Collaboration, S. Acharya *et al.*, “Measurements of the groomed and ungroomed jet angularities in pp collisions at  $\sqrt{s} = 5.02$  TeV,” *JHEP* **05** (2022) 061, [arXiv:2107.11303 \[nucl-ex\]](#).
- [24] **ALICE** Collaboration, S. Acharya *et al.*, “Polarization of  $\Lambda$  and  $\bar{\Lambda}$  Hyperons along the Beam Direction in Pb–Pb Collisions at  $\sqrt{s_{NN}}=5.02$  TeV,” *Phys. Rev. Lett.* **128** no. 17, (2022) 172005, [arXiv:2107.11183 \[nucl-ex\]](#).
- [25] **ALICE** Collaboration, S. Acharya *et al.*, “ $K_S^0$ - and (anti-) $\Lambda$ -hadron correlations in pp collisions at  $\sqrt{s} = 13$  TeV,” *Eur. Phys. J. C* **81** no. 10, (2021) 945, [arXiv:2107.11209 \[nucl-ex\]](#).

- [26] **A Large Ion Collider Experiment, ALICE** Collaboration, S. Acharya *et al.*, “Hypertriton Production in p-Pb Collisions at  $\sqrt{s_{NN}}=5.02$  TeV,” *Phys. Rev. Lett.* **128** no. 25, (2022) 252003, [arXiv:2107.10627 \[nucl-ex\]](#).
- [27] **ALICE** Collaboration, S. Acharya *et al.*, “Anisotropic flow of identified hadrons in Xe-Xe collisions at  $\sqrt{s_{NN}} = 5.44$  TeV,” *JHEP* **10** (2021) 152, [arXiv:2107.10592 \[nucl-ex\]](#).
- [28] **ALICE** Collaboration, S. Acharya *et al.*, “Study of very forward energy and its correlation with particle production at midrapidity in pp and p-Pb collisions at the LHC,” *JHEP* **08** (2022) 086, [arXiv:2107.10757 \[nucl-ex\]](#).
- [29] **ALICE** Collaboration, S. Acharya *et al.*, “Production of  $K^*(892)^0$  and  $\phi(1020)$  in pp and Pb-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV,” [arXiv:2106.13113 \[nucl-ex\]](#).
- [30] **ALICE** Collaboration, S. Acharya *et al.*, “Direct observation of the dead-cone effect in quantum chromodynamics,” *Nature* **605** no. 7910, (2022) 440–446, [arXiv:2106.05713 \[nucl-ex\]](#). [Erratum: *Nature* 607, E22 (2022)].
- [31] **ALICE** Collaboration, S. Acharya *et al.*, “Measurement of Prompt  $D^0$ ,  $\Lambda_c^+$ , and  $\Sigma_c^{0,++}(2455)$  Production in Proton-Proton Collisions at  $\sqrt{s} = 13$  TeV,” *Phys. Rev. Lett.* **128** no. 1, (2022) 012001, [arXiv:2106.08278 \[hep-ex\]](#).
- [32] **ALICE** Collaboration, S. Acharya *et al.*, “Charm-quark fragmentation fractions and production cross section at midrapidity in pp collisions at the LHC,” *Phys. Rev. D* **105** no. 1, (2022) L011103, [arXiv:2105.06335 \[nucl-ex\]](#).
- [33] **ALICE** Collaboration, S. Acharya *et al.*, “Measurement of the production cross section of prompt  $\Xi_c^0$  baryons at midrapidity in pp collisions at  $\sqrt{s} = 5.02$  TeV,” *JHEP* **10** (2021) 159, [arXiv:2105.05616 \[nucl-ex\]](#).
- [34] **ALICE** Collaboration, S. Acharya *et al.*, “Kaon–proton strong interaction at low relative momentum via femtoscopy in Pb–Pb collisions at the LHC,” *Phys. Lett. B* **822** (2021) 136708, [arXiv:2105.05683 \[nucl-ex\]](#).
- [35] **ALICE** Collaboration, S. Acharya *et al.*, “Charged-particle multiplicity fluctuations in Pb–Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV,” *Eur. Phys. J. C* **81** no. 11, (2021) 1012, [arXiv:2105.05745 \[nucl-ex\]](#).
- [36] **ALICE** Collaboration, S. Acharya *et al.*, “Measurement of  $K^*(892)^\pm$  production in inelastic pp collisions at the LHC,” *Phys. Lett. B* **828** (2022) 137013, [arXiv:2105.05760 \[nucl-ex\]](#).
- [37] **ALICE** Collaboration, S. Acharya *et al.*, “First measurements of N-subjettiness in central Pb–Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV,” *JHEP* **10** (2021) 003, [arXiv:2105.04936 \[nucl-ex\]](#).
- [38] **ALICE** Collaboration, S. Acharya *et al.*, “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 13 TeV,” *Phys. Rev. Lett.* **127** no. 27, (2021) 272001, [arXiv:2105.05187 \[nucl-ex\]](#).
- [39] **ALICE** Collaboration, S. Acharya *et al.*, “Investigating the role of strangeness in baryon–antibaryon annihilation at the LHC,” *Phys. Lett. B* **829** (2022) 137060, [arXiv:2105.05190 \[nucl-ex\]](#).

- [40] **ALICE** Collaboration, S. Acharya *et al.*, “Production of  $\Lambda$  and  $K_s^0$  in jets in p–Pb collisions at  $\sqrt{s_{NN}}=5.02$  TeV and pp collisions at  $\sqrt{s}=7$  TeV,” *Phys. Lett. B* **827** (2022) 136984, [arXiv:2105.04890 \[nucl-ex\]](#).
- [41] **ALICE** Collaboration, S. Acharya *et al.*, “Energy dependence of  $\phi$  meson production at forward rapidity in pp collisions at the LHC,” *Eur. Phys. J. C* **81** no. 8, (2021) 772, [arXiv:2105.00713 \[nucl-ex\]](#).
- [42] **ALICE** Collaboration, S. Acharya *et al.*, “Exploring the  $N\Lambda$ – $N\Sigma$  coupled system with high precision correlation techniques at the LHC,” *Phys. Lett. B* **833** (2022) 137272, [arXiv:2104.04427 \[nucl-ex\]](#).
- [43] **ALICE** Collaboration, S. Acharya *et al.*, “Nuclear modification factor of light neutral-meson spectra up to high transverse momentum in p–Pb collisions at  $s_{NN}=8.16$  TeV,” *Phys. Lett. B* **827** (2022) 136943, [arXiv:2104.03116 \[nucl-ex\]](#).
- [44] **ALICE** Collaboration, S. Acharya *et al.*, “Measurement of beauty and charm production in pp collisions at  $\sqrt{s} = 5.02$  TeV via non-prompt and prompt D mesons,” *JHEP* **05** (2021) 220, [arXiv:2102.13601 \[nucl-ex\]](#).
- [45] **ALICE** Collaboration, S. Acharya *et al.*, “Measurements of mixed harmonic cumulants in Pb–Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV,” *Phys. Lett. B* **818** (2021) 136354, [arXiv:2102.12180 \[nucl-ex\]](#).
- [46] **ALICE** Collaboration, S. Acharya *et al.*, “First measurement of the  $-t-$ dependence of coherent  $J/\psi$  photonuclear production,” *Phys. Lett. B* **817** (2021) 136280, [arXiv:2101.04623 \[nucl-ex\]](#).
- [47] **ALICE** Collaboration, S. Acharya *et al.*, “Coherent  $J/\psi$  and  $\psi'$  photoproduction at midrapidity in ultra-peripheral Pb–Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV,” *Eur. Phys. J. C* **81** no. 8, (2021) 712, [arXiv:2101.04577 \[nucl-ex\]](#).
- [48] **ALICE** Collaboration, S. Acharya *et al.*, “Long- and short-range correlations and their event-scale dependence in high-multiplicity pp collisions at  $\sqrt{s} = 13$  TeV,” *JHEP* **05** (2021) 290, [arXiv:2101.03110 \[nucl-ex\]](#).
- [49] **ALICE** Collaboration, S. Acharya *et al.*, “Production of pions, kaons, (anti-)protons and  $\phi$  mesons in Xe–Xe collisions at  $\sqrt{s_{NN}} = 5.44$  TeV,” *Eur. Phys. J. C* **81** no. 7, (2021) 584, [arXiv:2101.03100 \[nucl-ex\]](#).
- [50] **ALICE** Collaboration, S. Acharya *et al.*, “First measurement of coherent  $\rho 0$  photoproduction in ultra-peripheral Xe–Xe collisions at  $s_{NN}=5.44$  TeV,” *Phys. Lett. B* **820** (2021) 136481, [arXiv:2101.02581 \[nucl-ex\]](#).
- [51] **ALICE** Collaboration, S. Acharya *et al.*, “Multiharmonic Correlations of Different Flow Amplitudes in Pb–Pb Collisions at  $\sqrt{s_{NN}} = 2.76$  TeV,” *Phys. Rev. Lett.* **127** no. 9, (2021) 092302, [arXiv:2101.02579 \[nucl-ex\]](#).
- [52] **ALICE** Collaboration, S. Acharya *et al.*, “Inclusive heavy-flavour production at central and forward rapidity in Xe–Xe collisions at  $\sqrt{s_{NN}}=5.44$  TeV,” *Phys. Lett. B* **819** (2021) 136437, [arXiv:2011.06970 \[nucl-ex\]](#).

- [53] **ALICE** Collaboration, S. Acharya *et al.*, “Jet-associated deuteron production in pp collisions at  $\sqrt{s} = 13$  TeV,” *Phys. Lett. B* **819** (2021) 136440, [arXiv:2011.05898 \[nucl-ex\]](#).
- [54] **ALICE** Collaboration, S. Acharya *et al.*, “Jet fragmentation transverse momentum distributions in pp and p-Pb collisions at  $\sqrt{s}$ ,  $\sqrt{s_{NN}} = 5.02$  TeV,” *JHEP* **09** (2021) 211, [arXiv:2011.05904 \[nucl-ex\]](#).
- [55] **ALICE** Collaboration, S. Acharya *et al.*, “Production of muons from heavy-flavour hadron decays at high transverse momentum in Pb–Pb collisions at  $s_{NN}=5.02$  and 2.76 TeV,” *Phys. Lett. B* **820** (2021) 136558, [arXiv:2011.05718 \[nucl-ex\]](#).
- [56] **ALICE** Collaboration, S. Acharya *et al.*, “ $\Upsilon$  production and nuclear modification at forward rapidity in Pb–Pb collisions at  $NN = 5.02$  TeV,” *Phys. Lett. B* **822** (2021) 136579, [arXiv : 2011.05758\[nucl-ex\]](#).
- [57] **ALICE** Collaboration, S. Acharya *et al.*, “ $\Lambda_c^+$  Production and Baryon-to-Meson Ratios in pp and p-Pb Collisions at  $\sqrt{s_{NN}}=5.02$  TeV at the LHC,” *Phys. Rev. Lett.* **127** no. 20, (2021) 202301, [arXiv:2011.06078 \[nucl-ex\]](#).
- [58] **ALICE** Collaboration, S. Acharya *et al.*, “ $\Lambda_c^+$  production in pp and in p-Pb collisions at  $\sqrt{s_{NN}}=5.02$  TeV,” *Phys. Rev. C* **104** no. 5, (2021) 054905, [arXiv:2011.06079 \[nucl-ex\]](#).
- [59] **ALICE** Collaboration, S. Acharya *et al.*, “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,” *Eur. Phys. J. C* **81** no. 7, (2021) 630, [arXiv:2009.09434 \[nucl-ex\]](#).
- [60] **ALICE** Collaboration, S. Acharya *et al.*, “Centrality dependence of  $J/\psi$  and  $\psi(2S)$  production and nuclear modification in p-Pb collisions at  $\sqrt{s_{NN}} = 8.16$  TeV,” *JHEP* **02** (2021) 002, [arXiv:2008.04806 \[nucl-ex\]](#).
- [61] **ALICE** Collaboration, S. Acharya *et al.*, “Pion-kaon femtoscopy and the lifetime of the hadronic phase in Pb–Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV,” *Phys. Lett. B* **813** (2021) 136030, [arXiv:2007.08315 \[nucl-ex\]](#).
- [62] **ALICE** Collaboration, S. Acharya *et al.*, “Production of  $\omega$  mesons in pp collisions at  $\sqrt{s} = 7$  TeV,” *Eur. Phys. J. C* **80** no. 12, (2020) 1130, [arXiv:2007.02208 \[nucl-ex\]](#).
- [63] **ALICE** Collaboration, S. Acharya *et al.*, “ $J/\psi$  elliptic and triangular flow in Pb-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV,” *JHEP* **10** (2020) 141, [arXiv:2005.14518 \[nucl-ex\]](#).
- [64] **ALICE** Collaboration, S. Acharya *et al.*, “Soft-Dielectron Excess in Proton-Proton Collisions at  $\sqrt{s} = 13$  TeV,” *Phys. Rev. Lett.* **127** no. 4, (2021) 042302, [arXiv:2005.14522 \[nucl-ex\]](#).
- [65] **ALICE** Collaboration, S. Acharya *et al.*, “Measurement of isolated photon-hadron correlations in  $\sqrt{s_{NN}} = 5.02$  TeV pp and p-Pb collisions,” *Phys. Rev. C* **102** no. 4, (2020) 044908, [arXiv:2005.14637 \[nucl-ex\]](#).
- [66] **ALICE** Collaboration, S. Acharya *et al.*, “Constraining the Chiral Magnetic Effect with charge-dependent azimuthal correlations in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  and 5.02 TeV,” *JHEP* **09** (2020) 160, [arXiv:2005.14640 \[nucl-ex\]](#).
- [67] **ALICE** Collaboration, S. Acharya *et al.*, “Elliptic and triangular flow of (anti)deuterons in Pb-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV,” *Phys. Rev. C* **102** no. 5, (2020) 055203, [arXiv:2005.14639 \[nucl-ex\]](#).

- [68] **ALICE** Collaboration, S. Acharya *et al.*, “Dielectron production in proton-proton and proton-lead collisions at  $\sqrt{s_{NN}} = 5.02$  TeV,” *Phys. Rev. C* **102** no. 5, (2020) 055204, [arXiv:2005.11995 \[nucl-ex\]](#).
- [69] **ALICE** Collaboration, A. Collaboration *et al.*, “Unveiling the strong interaction among hadrons at the LHC,” *Nature* **588** (2020) 232–238, [arXiv:2005.11495 \[nucl-ex\]](#). [Erratum: *Nature* 590, E13 (2021)].
- [70] **ALICE** Collaboration, S. Acharya *et al.*, “Measurement of the low-energy antideuteron inelastic cross section,” *Phys. Rev. Lett.* **125** no. 16, (2020) 162001, [arXiv:2005.11122 \[nucl-ex\]](#).
- [71] **ALICE** Collaboration, S. Acharya *et al.*, “Production of light-flavor hadrons in pp collisions at  $\sqrt{s} = 7$  and  $\sqrt{s} = 13$  TeV,” *Eur. Phys. J. C* **81** no. 3, (2021) 256, [arXiv:2005.11120 \[nucl-ex\]](#).
- [72] **ALICE** Collaboration, S. Acharya *et al.*, “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,” *JHEP* **09** (2020) 076, [arXiv:2005.11126 \[nucl-ex\]](#).
- [73] **ALICE** Collaboration, S. Acharya *et al.*, “Multiplicity dependence of  $J/\psi$  production at midrapidity in pp collisions at  $\sqrt{s} = 13$  TeV,” *Phys. Lett. B* **810** (2020) 135758, [arXiv:2005.11123 \[nucl-ex\]](#).
- [74] **ALICE** Collaboration, S. Acharya *et al.*, “Elliptic Flow of Electrons from Beauty-Hadron Decays in Pb-Pb Collisions at  $\sqrt{s_{NN}} = 5.02$  TeV,” *Phys. Rev. Lett.* **126** no. 16, (2021) 162001, [arXiv:2005.11130 \[nucl-ex\]](#).
- [75] **ALICE** Collaboration, S. Acharya *et al.*, “ $\Lambda\bar{K}$  femtoscopy in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV,” *Phys. Rev. C* **103** no. 5, (2021) 055201, [arXiv:2005.11124 \[nucl-ex\]](#).
- [76] **ALICE** Collaboration, S. Acharya *et al.*, “Transverse-momentum and event-shape dependence of D-meson flow harmonics in Pb-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV,” *Phys. Lett. B* **813** (2021) 136054, [arXiv:2005.11131 \[nucl-ex\]](#).
- [77] **ALICE** Collaboration, S. Acharya *et al.*, “First measurement of quarkonium polarization in nuclear collisions at the LHC,” *Phys. Lett. B* **815** (2021) 136146, [arXiv:2005.11128 \[nucl-ex\]](#).
- [78] **ALICE** Collaboration, S. Acharya *et al.*, “ $J/\psi$  production as a function of charged-particle multiplicity in p-Pb collisions at  $\sqrt{s_{NN}} = 8.16$  TeV,” *JHEP* **09** (2020) 162, [arXiv:2004.12673 \[nucl-ex\]](#).
- [79] **ALICE** Collaboration, S. Acharya *et al.*, “Search for a common baryon source in high-multiplicity pp collisions at the LHC,” *Phys. Lett. B* **811** (2020) 135849, [arXiv:2004.08018 \[nucl-ex\]](#).
- [80] **ALICE** Collaboration, S. Acharya *et al.*, “Measurement of nuclear effects on  $\psi(2S)$  production in p-Pb collisions at  $\sqrt{s_{NN}} = 8.16$  TeV,” *JHEP* **07** (2020) 237, [arXiv:2003.06053 \[nucl-ex\]](#).
- [81] **ALICE** Collaboration, S. Acharya *et al.*, “(Anti-)deuteron production in pp collisions at  $\sqrt{s} = 13$  TeV,” *Eur. Phys. J. C* **80** no. 9, (2020) 889, [arXiv:2003.03184 \[nucl-ex\]](#).

- [82] **ALICE** Collaboration, S. Acharya *et al.*, “Multiplicity dependence of  $\pi$ , K, and p production in pp collisions at  $\sqrt{s} = 13$  TeV,” *Eur. Phys. J. C* **80** no. 8, (2020) 693, [arXiv:2003.02394 \[nucl-ex\]](#).
- [83] **ALICE** Collaboration, S. Acharya *et al.*, “Coherent photoproduction of  $\rho^0$  vector mesons in ultra-peripheral Pb-Pb collisions at  $\sqrt{s_{\text{NN}}} = 5.02$  TeV,” *JHEP* **06** (2020) 035, [arXiv:2002.10897 \[nucl-ex\]](#).
- [84] **ALICE** Collaboration, S. Acharya *et al.*, “Higher harmonic non-linear flow modes of charged hadrons in Pb-Pb collisions at  $\sqrt{s_{\text{NN}}} = 5.02$  TeV,” *JHEP* **05** (2020) 085, [arXiv:2002.00633 \[nucl-ex\]](#).
- [85] **ALICE** Collaboration, S. Acharya *et al.*, “Non-linear flow modes of identified particles in Pb-Pb collisions at  $\sqrt{s_{\text{NN}}} = 5.02$  TeV,” *JHEP* **06** (2020) 147, [arXiv:1912.00740 \[nucl-ex\]](#).
- [86] **ALICE** Collaboration, S. Acharya *et al.*, “Investigation of the p- $\Sigma$ 0 interaction via femtoscopy in pp collisions,” *Phys. Lett. B* **805** (2020) 135419, [arXiv:1910.14407 \[nucl-ex\]](#).
- [87] **ALICE** Collaboration, S. Acharya *et al.*, “Global baryon number conservation encoded in net-proton fluctuations measured in Pb-Pb collisions at  $\sqrt{s_{\text{NN}}} = 2.76$  TeV,” *Phys. Lett. B* **807** (2020) 135564, [arXiv:1910.14396 \[nucl-ex\]](#).
- [88] **ALICE** Collaboration, S. Acharya *et al.*, “Longitudinal and azimuthal evolution of two-particle transverse momentum correlations in Pb-Pb collisions at  $\sqrt{s_{\text{NN}}} = 2.76$  TeV,” *Phys. Lett. B* **804** (2020) 135375, [arXiv:1910.14393 \[nucl-ex\]](#).
- [89] **ALICE** Collaboration, S. Acharya *et al.*, “Measurement of electrons from heavy-flavour hadron decays as a function of multiplicity in p-Pb collisions at  $\sqrt{s_{\text{NN}}} = 5.02$  TeV,” *JHEP* **02** (2020) 077, [arXiv:1910.14399 \[nucl-ex\]](#).
- [90] **ALICE** Collaboration, S. Acharya *et al.*, “Multiplicity dependence of  $K^*(892)^0$  and  $\phi(1020)$  production in pp collisions at  $\sqrt{s} = 13$  TeV,” *Phys. Lett. B* **807** (2020) 135501, [arXiv:1910.14397 \[nucl-ex\]](#).
- [91] **ALICE** Collaboration, S. Acharya *et al.*, “Underlying Event properties in pp collisions at  $\sqrt{s} = 13$  TeV,” *JHEP* **04** (2020) 192, [arXiv:1910.14400 \[nucl-ex\]](#).
- [92] **ALICE** Collaboration, S. Acharya *et al.*, “Centrality and transverse momentum dependence of inclusive  $J/\psi$  production at midrapidity in Pb-Pb collisions at  $s_{\text{NN}}=5.02$  TeV,” *Phys. Lett. B* **805** (2020) 135434, [arXiv:1910.14404 \[nucl-ex\]](#).
- [93] **ALICE** Collaboration, S. Acharya *et al.*, “Azimuthal correlations of prompt D mesons with charged particles in pp and p-Pb collisions at  $\sqrt{s_{\text{NN}}} = 5.02$  TeV,” *Eur. Phys. J. C* **80** no. 10, (2020) 979, [arXiv:1910.14403 \[nucl-ex\]](#).
- [94] **ALICE** Collaboration, S. Acharya *et al.*, “Production of (anti-) ${}^3\text{He}$  and (anti-) ${}^3\text{H}$  in p-Pb collisions at  $\sqrt{s_{\text{NN}}} = 5.02$  TeV,” *Phys. Rev. C* **101** no. 4, (2020) 044906, [arXiv:1910.14401 \[nucl-ex\]](#).
- [95] **ALICE** Collaboration, S. Acharya *et al.*, “Jet-hadron correlations measured relative to the second order event plane in Pb-Pb collisions at  $\sqrt{s_{\text{NN}}} = 2.76$  TeV,” *Phys. Rev. C* **101** no. 6, (2020) 064901, [arXiv:1910.14398 \[nucl-ex\]](#).

- [96] **ALICE** Collaboration, S. Acharya *et al.*, “ $\pi^+$  production in p–Pb collisions at  $\sqrt{s_{NN}}=8.16$  TeV,” *Phys. Lett. B* **806** (2020) 135486, [arXiv:1910.14405 \[nucl-ex\]](#).
- [97] **ALICE** Collaboration, S. Acharya *et al.*, “Evidence of Spin-Orbital Angular Momentum Interactions in Relativistic Heavy-Ion Collisions,” *Phys. Rev. Lett.* **125** no. 1, (2020) 012301, [arXiv:1910.14408 \[nucl-ex\]](#).
- [98] **ALICE** Collaboration, S. Acharya *et al.*, “ $K^*(892)^0$  and  $\phi(1020)$  production at midrapidity in pp collisions at  $\sqrt{s} = 8$  TeV,” *Phys. Rev. C* **102** no. 2, (2020) 024912, [arXiv:1910.14410 \[nucl-ex\]](#).
- [99] **ALICE** Collaboration, S. Acharya *et al.*, “Probing the effects of strong electromagnetic fields with charge-dependent directed flow in Pb-Pb collisions at the LHC,” *Phys. Rev. Lett.* **125** no. 2, (2020) 022301, [arXiv:1910.14406 \[nucl-ex\]](#).
- [100] **ALICE** Collaboration, S. Acharya *et al.*, “Evidence of rescattering effect in Pb-Pb collisions at the LHC through production of  $K^*(892)^0$  and  $\phi(1020)$  mesons,” *Phys. Lett. B* **802** (2020) 135225, [arXiv:1910.14419 \[nucl-ex\]](#).
- [101] **ALICE** Collaboration, S. Acharya *et al.*, “Measurement of electrons from semileptonic heavy-flavour hadron decays at midrapidity in pp and Pb-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV,” *Phys. Lett. B* **804** (2020) 135377, [arXiv:1910.09110 \[nucl-ex\]](#).
- [102] **ALICE** Collaboration, S. Acharya *et al.*, “Measurement of the (anti-)3He elliptic flow in Pb-Pb collisions at  $s_{NN}=5.02\text{TeV}$ ,” *Phys. Lett. B* **805** (2020) 135414, [arXiv:1910.09718 \[nucl-ex\]](#).
- [103] **ALICE** Collaboration, S. Acharya *et al.*, “Production of charged pions, kaons, and (anti-)protons in Pb-Pb and inelastic pp collisions at  $\sqrt{s_{NN}} = 5.02$  TeV,” *Phys. Rev. C* **101** no. 4, (2020) 044907, [arXiv:1910.07678 \[nucl-ex\]](#).
- [104] **ALICE** Collaboration, S. Acharya *et al.*, “Measurements of inclusive jet spectra in pp and central Pb-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV,” *Phys. Rev. C* **101** no. 3, (2020) 034911, [arXiv:1909.09718 \[nucl-ex\]](#).
- [105] **ALICE** Collaboration, S. Acharya *et al.*, “Studies of  $J/\psi$  production at forward rapidity in Pb-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV,” *JHEP* **02** (2020) 041, [arXiv:1909.03158 \[nucl-ex\]](#).
- [106] **ALICE** Collaboration, S. Acharya *et al.*, “Global polarization of  $\Lambda\bar{\Lambda}$  hyperons in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  and 5.02 TeV,” *Phys. Rev. C* **101** no. 4, (2020) 044611, [arXiv:1909.01281 \[nucl-ex\]](#).
- [107] **ALICE** Collaboration, S. Acharya *et al.*, “Measurement of  $\Lambda(1520)$  production in pp collisions at  $\sqrt{s} = 7$  TeV and p-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV,” *Eur. Phys. J. C* **80** no. 2, (2020) 160, [arXiv:1909.00486 \[nucl-ex\]](#).
- [108] **ALICE** Collaboration, S. Acharya *et al.*, “Multiplicity dependence of (multi-)strange hadron production in proton-proton collisions at  $\sqrt{s} = 13$  TeV,” *Eur. Phys. J. C* **80** no. 2, (2020) 167, [arXiv:1908.01861 \[nucl-ex\]](#).
- [109] **ALICE** Collaboration, S. Acharya *et al.*, “ ${}^3\Lambda\text{H}$  and  ${}^3\bar{\Lambda}\text{H}$  lifetime measurement in Pb-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV via two-body decay,” *Phys. Lett. B* **797** (2019) 134905, [arXiv:1907.06906 \[nucl-ex\]](#).

- [110] **ALICE** Collaboration, S. Acharya *et al.*, “Measurement of  $\Upsilon(1S)$  elliptic flow at forward rapidity in Pb-Pb collisions at  $\sqrt{s_{\text{NN}}} = 5.02$  TeV,” *Phys. Rev. Lett.* **123** no. 19, (2019) 192301, [arXiv:1907.03169 \[nucl-ex\]](#).
- [111] **ALICE** Collaboration, S. Acharya *et al.*, “Measurement of prompt  $D^0$ ,  $D^+$ ,  $D^{*+}$ , and  $D_S^+$  production in p-Pb collisions at  $\sqrt{s_{\text{NN}}} = 5.02$  TeV,” *JHEP* **12** (2019) 092, [arXiv:1906.03425 \[nucl-ex\]](#).
- [112] **ALICE** Collaboration, S. Acharya *et al.*, “Multiplicity dependence of light (anti-)nuclei production in p-Pb collisions at  $\sqrt{s_{\text{NN}}} = 5.02$  TeV,” *Phys. Lett. B* **800** (2020) 135043, [arXiv:1906.03136 \[nucl-ex\]](#).
- [113] **ALICE** Collaboration, S. Acharya *et al.*, “Measurement of the inclusive isolated photon production cross section in pp collisions at  $\sqrt{s} = 7$  TeV,” *Eur. Phys. J. C* **79** no. 11, (2019) 896, [arXiv:1906.01371 \[nucl-ex\]](#).
- [114] **ALICE** Collaboration, S. Acharya *et al.*, “Scattering studies with low-energy kaon-proton femtoscopy in proton-proton collisions at the LHC,” *Phys. Rev. Lett.* **124** no. 9, (2020) 092301, [arXiv:1905.13470 \[nucl-ex\]](#).
- [115] **ALICE** Collaboration, S. Acharya *et al.*, “Production of muons from heavy-flavour hadron decays in pp collisions at  $\sqrt{s} = 5.02$  TeV,” *JHEP* **09** (2019) 008, [arXiv:1905.07207 \[nucl-ex\]](#).
- [116] **ALICE** Collaboration, S. Acharya *et al.*, “Charged-particle production as a function of multiplicity and transverse spherocity in pp collisions at  $\sqrt{s} = 5.02$  and 13 TeV,” *Eur. Phys. J. C* **79** no. 10, (2019) 857, [arXiv:1905.07208 \[nucl-ex\]](#).
- [117] **ALICE** Collaboration, S. Acharya *et al.*, “Study of the  $\Lambda$ - $\Lambda$  interaction with femtoscopy correlations in pp and p-Pb collisions at the LHC,” *Phys. Lett. B* **797** (2019) 134822, [arXiv:1905.07209 \[nucl-ex\]](#).
- [118] **ALICE** Collaboration, S. Acharya *et al.*, “Inclusive  $J/\psi$  production at mid-rapidity in pp collisions at  $\sqrt{s} = 5.02$  TeV,” *JHEP* **10** (2019) 084, [arXiv:1905.07211 \[nucl-ex\]](#).
- [119] **ALICE** Collaboration, S. Acharya *et al.*, “Measurement of the production of charm jets tagged with  $D^0$  mesons in pp collisions at  $\sqrt{s} = 7$  TeV,” *JHEP* **08** (2019) 133, [arXiv:1905.02510 \[nucl-ex\]](#).
- [120] **ALICE** Collaboration, S. Acharya *et al.*, “Exploration of jet substructure using iterative declustering in pp and Pb-Pb collisions at LHC energies,” *Phys. Lett. B* **802** (2020) 135227, [arXiv:1905.02512 \[nucl-ex\]](#).
- [121] **ALICE** Collaboration, S. Acharya *et al.*, “Measurement of charged jet cross section in pp collisions at  $\sqrt{s} = 5.02$  TeV,” *Phys. Rev. D* **100** no. 9, (2019) 092004, [arXiv:1905.02536 \[nucl-ex\]](#).
- [122] **ALICE** Collaboration, S. Acharya *et al.*, “Measurement of jet radial profiles in Pb—Pb collisions at  $\sqrt{s_{\text{NN}}} = 2.76$  TeV,” *Phys. Lett. B* **796** (2019) 204–219, [arXiv:1904.13118 \[nucl-ex\]](#).

- [123] **ALICE** Collaboration, S. Acharya *et al.*, “First Observation of an Attractive Interaction between a Proton and a Cascade Baryon,” *Phys. Rev. Lett.* **123** no. 11, (2019) 112002, [arXiv:1904.12198 \[nucl-ex\]](#).
- [124] **ALICE** Collaboration, S. Acharya *et al.*, “Coherent  $J/\psi$  photoproduction at forward rapidity in ultra-peripheral Pb-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV,” *Phys. Lett. B* **798** (2019) 134926, [arXiv:1904.06272 \[nucl-ex\]](#).
- [125] **ALICE** Collaboration, S. Acharya *et al.*, “One-dimensional charged kaon femtoscopy in p-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV,” *Phys. Rev. C* **100** no. 2, (2019) 024002, [arXiv:1903.12310 \[nucl-ex\]](#).
- [126] **ALICE** Collaboration, S. Acharya *et al.*, “Measurement of strange baryon–antibaryon interactions with femtoscopic correlations,” *Phys. Lett. B* **802** (2020) 135223, [arXiv:1903.06149 \[nucl-ex\]](#).
- [127] **ALICE** Collaboration, S. Acharya *et al.*, “Investigations of Anisotropic Flow Using Multiparticle Azimuthal Correlations in pp, p-Pb, Xe-Xe, and Pb-Pb Collisions at the LHC,” *Phys. Rev. Lett.* **123** no. 14, (2019) 142301, [arXiv:1903.01790 \[nucl-ex\]](#).
- [128] **ALICE** Collaboration, S. Acharya *et al.*, “Multiplicity dependence of (anti-)deuteron production in pp collisions at  $\sqrt{s} = 7$  TeV,” *Phys. Lett. B* **794** (2019) 50–63, [arXiv:1902.09290 \[nucl-ex\]](#).
- [129] **ALICE** Collaboration, S. Acharya *et al.*, “Calibration of the photon spectrometer PHOS of the ALICE experiment,” *JINST* **14** no. 05, (2019) P05025, [arXiv:1902.06145 \[physics.ins-det\]](#).
- [130] **ALICE** Collaboration, S. Acharya *et al.*, “Measurement of  $D^0$ ,  $D^+$ ,  $D^{*+}$  and  $D_s^+$  production in pp collisions at  $\sqrt{s} = 5.02$  TeV with ALICE,” *Eur. Phys. J. C* **79** no. 5, (2019) 388, [arXiv:1901.07979 \[nucl-ex\]](#).
- [131] **ALICE** Collaboration, S. Acharya *et al.*, “Event-shape and multiplicity dependence of freeze-out radii in pp collisions at  $\sqrt{s} = 7$  TeV,” *JHEP* **09** (2019) 108, [arXiv:1901.05518 \[nucl-ex\]](#).
- [132] **ALICE** Collaboration, S. Acharya *et al.*, “Real-time data processing in the ALICE High Level Trigger at the LHC,” *Comput. Phys. Commun.* **242** (2019) 25–48, [arXiv:1812.08036 \[physics.ins-det\]](#).
- [133] **ALICE** Collaboration, S. Acharya *et al.*, “Charged-particle pseudorapidity density at mid-rapidity in p-Pb collisions at  $\sqrt{s_{NN}} = 8.16$  TeV,” *Eur. Phys. J. C* **79** no. 4, (2019) 307, [arXiv:1812.01312 \[nucl-ex\]](#).
- [134] **ALICE** Collaboration, S. Acharya *et al.*, “Study of  $J/\psi$  azimuthal anisotropy at forward rapidity in Pb-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV,” *JHEP* **02** (2019) 012, [arXiv:1811.12727 \[nucl-ex\]](#).
- [135] **ALICE** Collaboration, S. Acharya *et al.*, “Jet fragmentation transverse momentum measurements from di-hadron correlations in  $\sqrt{s} = 7$  TeV pp and  $\sqrt{s_{NN}} = 5.02$  TeV p-Pb collisions,” *JHEP* **03** (2019) 169, [arXiv:1811.09742 \[nucl-ex\]](#).

- [136] **ALICE** Collaboration, S. Acharya *et al.*, “ $\Lambda_c^+$  production in Pb-Pb collisions at  $\sqrt{s_{\text{NN}}} = 5.02$  TeV,” *Phys. Lett. B* **793** (2019) 212–223, [arXiv:1809.10922 \[nucl-ex\]](#).
- [137] **ALICE** Collaboration, S. Acharya *et al.*, “Event-shape engineering for the D-meson elliptic flow in mid-central Pb-Pb collisions at  $\sqrt{s_{\text{NN}}} = 5.02$  TeV,” *JHEP* **02** (2019) 150, [arXiv:1809.09371 \[nucl-ex\]](#).
- [138] **ALICE** Collaboration, S. Acharya *et al.*, “Measuring  $K_S^0 K^\pm$  interactions using pp collisions at  $\sqrt{s} = 7$  TeV,” *Phys. Lett. B* **790** (2019) 22–34, [arXiv:1809.07899 \[nucl-ex\]](#).
- [139] **ALICE** Collaboration, S. Acharya *et al.*, “Energy dependence of exclusive  $J/\psi$  photoproduction off protons in ultra-peripheral p-Pb collisions at  $\sqrt{s_{\text{NN}}} = 5.02$  TeV,” *Eur. Phys. J. C* **79** no. 5, (2019) 402, [arXiv:1809.03235 \[nucl-ex\]](#).
- [140] **ALICE** Collaboration, S. Acharya *et al.*, “Charged jet cross section and fragmentation in proton-proton collisions at  $\sqrt{s} = 7$  TeV,” *Phys. Rev. D* **99** no. 1, (2019) 012016, [arXiv:1809.03232 \[nucl-ex\]](#).
- [141] **ALICE** Collaboration, S. Acharya *et al.*, “Multiplicity dependence of light-flavor hadron production in pp collisions at  $\sqrt{s} = 7$  TeV,” *Phys. Rev. C* **99** no. 2, (2019) 024906, [arXiv:1807.11321 \[nucl-ex\]](#).
- [142] **ALICE** Collaboration, S. Acharya *et al.*, “Medium modification of the shape of small-radius jets in central Pb-Pb collisions at  $\sqrt{s_{\text{NN}}} = 2.76$  TeV,” *JHEP* **10** (2018) 139, [arXiv:1807.06854 \[nucl-ex\]](#).
- [143] **ALICE** Collaboration, S. Acharya *et al.*, “Measurement of dielectron production in central Pb-Pb collisions at  $\sqrt{s_{\text{NN}}} = 2.76$  TeV,” *Phys. Rev. C* **99** no. 2, (2019) 024002, [arXiv:1807.00923 \[nucl-ex\]](#).
- [144] **ALICE** Collaboration, S. Acharya *et al.*, “p-p, p- $\Lambda$  and  $\Lambda$ - $\Lambda$  correlations studied via femtoscopy in pp reactions at  $\sqrt{s} = 7$  TeV,” *Phys. Rev. C* **99** no. 2, (2019) 024001, [arXiv:1805.12455 \[nucl-ex\]](#).
- [145] **ALICE** Collaboration, S. Acharya *et al.*, “Analysis of the apparent nuclear modification in peripheral Pb-Pb collisions at 5.02 TeV,” *Phys. Lett. B* **793** (2019) 420–432, [arXiv:1805.05212 \[nucl-ex\]](#).
- [146] **ALICE** Collaboration, S. Acharya *et al.*, “Centrality and pseudorapidity dependence of the charged-particle multiplicity density in Xe-Xe collisions at  $\sqrt{s_{\text{NN}}} = 5.44$  TeV,” *Phys. Lett. B* **790** (2019) 35–48, [arXiv:1805.04432 \[nucl-ex\]](#).
- [147] **ALICE** Collaboration, S. Acharya *et al.*, “Two particle differential transverse momentum and number density correlations in p-Pb and Pb-Pb at the LHC,” *Phys. Rev. C* **100** no. 4, (2019) 044903, [arXiv:1805.04422 \[nucl-ex\]](#).
- [148] **ALICE** Collaboration, S. Acharya *et al.*, “Dielectron and heavy-quark production in inelastic and high-multiplicity proton-proton collisions at  $\sqrt{s_{\text{NN}}} = 13$  TeV,” *Phys. Lett. B* **788** (2019) 505–518, [arXiv:1805.04407 \[hep-ex\]](#).
- [149] **ALICE** Collaboration, S. Acharya *et al.*, “Direct photon elliptic flow in Pb-Pb collisions at  $\sqrt{s_{\text{NN}}} = 2.76$  TeV,” *Phys. Lett. B* **789** (2019) 308–322, [arXiv:1805.04403 \[nucl-ex\]](#).

- [150] **ALICE** Collaboration, S. Acharya *et al.*, “Transverse momentum spectra and nuclear modification factors of charged particles in Xe-Xe collisions at  $\sqrt{s_{\text{NN}}} = 5.44 \text{ TeV}$ ,” *Phys. Lett. B* **788** (2019) 166–179, [arXiv:1805.04399 \[nucl-ex\]](#).
- [151] **ALICE** Collaboration, S. Acharya *et al.*, “Dielectron production in proton-proton collisions at  $\sqrt{s} = 7 \text{ TeV}$ ,” *JHEP* **09** (2018) 064, [arXiv:1805.04391 \[hep-ex\]](#).
- [152] **ALICE** Collaboration, S. Acharya *et al.*, “ $\Upsilon$  suppression at forward rapidity in Pb-Pb collisions at  $\sqrt{s_{\text{NN}}} = 5.02 \text{ TeV}$ ,” *Phys. Lett. B* **790** (2019) 89–101, [arXiv:1805.04387 \[nucl-ex\]](#).
- [153] **ALICE** Collaboration, S. Acharya *et al.*, “Inclusive  $J/\psi$  production in Xe-Xe collisions at  $\sqrt{s_{\text{NN}}} = 5.44 \text{ TeV}$ ,” *Phys. Lett. B* **785** (2018) 419–428, [arXiv:1805.04383 \[nucl-ex\]](#).
- [154] **ALICE** Collaboration, S. Acharya *et al.*, “Measurement of the inclusive  $J/\psi$  polarization at forward rapidity in pp collisions at  $\sqrt{s} = 8 \text{ TeV}$ ,” *Eur. Phys. J. C* **78** no. 7, (2018) 562, [arXiv:1805.04374 \[hep-ex\]](#).
- [155] **ALICE** Collaboration, S. Acharya *et al.*, “Suppression of  $\Lambda(1520)$  resonance production in central Pb-Pb collisions at  $\sqrt{s_{\text{NN}}} = 2.76 \text{ TeV}$ ,” *Phys. Rev. C* **99** (2019) 024905, [arXiv:1805.04361 \[nucl-ex\]](#).
- [156] **ALICE** Collaboration, S. Acharya *et al.*, “Inclusive  $J/\psi$  production at forward and backward rapidity in p-Pb collisions at  $\sqrt{s_{\text{NN}}} = 8.16 \text{ TeV}$ ,” *JHEP* **07** (2018) 160, [arXiv:1805.04381 \[nucl-ex\]](#).
- [157] **ALICE** Collaboration, S. Acharya *et al.*, “Measurements of low- $p_T$  electrons from semileptonic heavy-flavour hadron decays at mid-rapidity in pp and Pb-Pb collisions at  $\sqrt{s_{\text{NN}}} = 2.76 \text{ TeV}$ ,” *JHEP* **10** (2018) 061, [arXiv:1805.04379 \[nucl-ex\]](#).
- [158] **ALICE** Collaboration, S. Acharya *et al.*, “Azimuthal Anisotropy of Heavy-Flavor Decay Electrons in p-Pb Collisions at  $\sqrt{s_{\text{NN}}} = 5.02 \text{ TeV}$ ,” *Phys. Rev. Lett.* **122** no. 7, (2019) 072301, [arXiv:1805.04367 \[nucl-ex\]](#).
- [159] **ALICE** Collaboration, S. Acharya *et al.*, “Anisotropic flow of identified particles in Pb-Pb collisions at  $\sqrt{s_{\text{NN}}} = 5.02 \text{ TeV}$ ,” *JHEP* **09** (2018) 006, [arXiv:1805.04390 \[nucl-ex\]](#).
- [160] **ALICE** Collaboration, S. Acharya *et al.*, “Production of the  $\rho(770)^0$  meson in pp and Pb-Pb collisions at  $\sqrt{s_{\text{NN}}} = 2.76 \text{ TeV}$ ,” *Phys. Rev. C* **99** no. 6, (2019) 064901, [arXiv:1805.04365 \[nucl-ex\]](#).
- [161] **ALICE** Collaboration, S. Acharya *et al.*, “Anisotropic flow in Xe-Xe collisions at  $\sqrt{s_{\text{NN}}} = 5.44 \text{ TeV}$ ,” *Phys. Lett. B* **784** (2018) 82–95, [arXiv:1805.01832 \[nucl-ex\]](#).
- [162] **ALICE** Collaboration, S. Acharya *et al.*, “ $\phi$  meson production at forward rapidity in Pb-Pb collisions at  $\sqrt{s_{\text{NN}}} = 2.76 \text{ TeV}$ ,” *Eur. Phys. J. C* **78** no. 7, (2018) 559, [arXiv:1804.08906 \[nucl-ex\]](#).
- [163] **ALICE** Collaboration, S. Acharya *et al.*, “Measurement of  $D^0$ ,  $D^+$ ,  $D^{*+}$  and  $D_s^+$  production in Pb-Pb collisions at  $\sqrt{s_{\text{NN}}} = 5.02 \text{ TeV}$ ,” *JHEP* **10** (2018) 174, [arXiv:1804.09083 \[nucl-ex\]](#).

- [164] **ALICE** Collaboration, S. Acharya *et al.*, “Energy dependence and fluctuations of anisotropic flow in Pb-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  and 2.76 TeV,” *JHEP* **07** (2018) 103, [arXiv:1804.02944 \[nucl-ex\]](#).
- [165] **ALICE** Collaboration, S. Acharya *et al.*, “Azimuthally-differential pion femtoscopy relative to the third harmonic event plane in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV,” *Phys. Lett. B* **785** (2018) 320–331, [arXiv:1803.10594 \[nucl-ex\]](#).
- [166] **ALICE** Collaboration, S. Acharya *et al.*, “Direct photon production at low transverse momentum in proton-proton collisions at  $\sqrt{s} = 2.76$  and 8 TeV,” *Phys. Rev. C* **99** no. 2, (2019) 024912, [arXiv:1803.09857 \[nucl-ex\]](#).
- [167] **ALICE** Collaboration, S. Acharya *et al.*, “Neutral pion and  $\eta$  meson production at mid-rapidity in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV,” *Phys. Rev. C* **98** no. 4, (2018) 044901, [arXiv:1803.05490 \[nucl-ex\]](#).
- [168] **ALICE** Collaboration, S. Acharya *et al.*, “Transverse momentum spectra and nuclear modification factors of charged particles in pp, p-Pb and Pb-Pb collisions at the LHC,” *JHEP* **11** (2018) 013, [arXiv:1802.09145 \[nucl-ex\]](#).
- [169] **ALICE** Collaboration, S. Acharya *et al.*, “Prompt and non-prompt  $J/\psi$  production and nuclear modification at mid-rapidity in p-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV,” *Eur. Phys. J. C* **78** no. 6, (2018) 466, [arXiv:1802.00765 \[nucl-ex\]](#).
- [170] **ALICE** Collaboration, S. Acharya *et al.*, “Neutral pion and  $\eta$  meson production in p-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV,” *Eur. Phys. J. C* **78** no. 8, (2018) 624, [arXiv:1801.07051 \[nucl-ex\]](#).
- [171] **ALICE** Collaboration, S. Acharya *et al.*, “ $\Lambda_c^+$  production in pp collisions at  $\sqrt{s} = 7$  TeV and in p-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV,” *JHEP* **04** (2018) 108, [arXiv:1712.09581 \[nucl-ex\]](#).
- [172] **ALICE** Collaboration, S. Acharya *et al.*, “Relative particle yield fluctuations in  $Pb - Pb$  collisions at  $\sqrt{s_{NN}} = 2.76$  TeV,” *Eur. Phys. J. C* **79** no. 3, (2019) 236, [arXiv:1712.07929 \[nucl-ex\]](#).
- [173] **ALICE** Collaboration, S. Acharya *et al.*, “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,” *Phys. Lett. B* **783** (2018) 95–113, [arXiv:1712.05603 \[nucl-ex\]](#).
- [174] **ALICE** Collaboration, S. Acharya *et al.*, “First measurement of  $\Xi_c^0$  production in pp collisions at  $\sqrt{s} = 7$  TeV,” *Phys. Lett. B* **781** (2018) 8–19, [arXiv:1712.04242 \[hep-ex\]](#).
- [175] **ALICE** Collaboration, S. Acharya *et al.*, “Measurement of  $Z^0$ -boson production at large rapidities in Pb-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV,” *Phys. Lett. B* **780** (2018) 372–383, [arXiv:1711.10753 \[nucl-ex\]](#).
- [176] **ALICE** Collaboration, S. Acharya *et al.*, “Longitudinal asymmetry and its effect on pseudorapidity distributions in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV,” *Phys. Lett. B* **781** (2018) 20–32, [arXiv:1710.07975 \[nucl-ex\]](#).

- [177] **ALICE** Collaboration, S. Acharya *et al.*, “Production of  ${}^4\text{He}$  and  ${}^4\overline{\text{He}}$  in Pb-Pb collisions at  $\sqrt{s_{\text{NN}}} = 2.76$  TeV at the LHC,” *Nucl. Phys. A* **971** (2018) 1–20, [arXiv:1710.07531 \[nucl-ex\]](#).
- [178] **ALICE** Collaboration, S. Acharya *et al.*, “Production of deuterons, tritons,  ${}^3\text{He}$  nuclei and their antinuclei in pp collisions at  $\sqrt{s} = 0.9, 2.76$  and  $7$  TeV,” *Phys. Rev. C* **97** no. 2, (2018) 024615, [arXiv:1709.08522 \[nucl-ex\]](#).
- [179] **ALICE** Collaboration, S. Acharya *et al.*, “Search for collectivity with azimuthal  $J/\psi$ -hadron correlations in high multiplicity p-Pb collisions at  $\sqrt{s_{\text{NN}}} = 5.02$  and  $8.16$  TeV,” *Phys. Lett. B* **780** (2018) 7–20, [arXiv:1709.06807 \[nucl-ex\]](#).
- [180] **ALICE** Collaboration, S. Acharya *et al.*, “ $J/\psi$  elliptic flow in Pb-Pb collisions at  $\sqrt{s_{\text{NN}}} = 5.02$  TeV,” *Phys. Rev. Lett.* **119** no. 24, (2017) 242301, [arXiv:1709.05260 \[nucl-ex\]](#).
- [181] **ALICE** Collaboration, S. Acharya *et al.*, “Constraining the magnitude of the Chiral Magnetic Effect with Event Shape Engineering in Pb-Pb collisions at  $\sqrt{s_{\text{NN}}} = 2.76$  TeV,” *Phys. Lett. B* **777** (2018) 151–162, [arXiv:1709.04723 \[nucl-ex\]](#).
- [182] **ALICE** Collaboration, S. Acharya *et al.*, “The ALICE Transition Radiation Detector: construction, operation, and performance,” *Nucl. Instrum. Meth. A* **881** (2018) 88–127, [arXiv:1709.02743 \[physics.ins-det\]](#).
- [183] **ALICE** Collaboration, S. Acharya *et al.*, “Kaon femtoscopy in Pb-Pb collisions at  $\sqrt{s_{\text{NN}}} = 2.76$  TeV,” *Phys. Rev. C* **96** no. 6, (2017) 064613, [arXiv:1709.01731 \[nucl-ex\]](#).
- [184] **ALICE** Collaboration, S. Acharya *et al.*, “Systematic studies of correlations between different order flow harmonics in Pb-Pb collisions at  $\sqrt{s_{\text{NN}}} = 2.76$  TeV,” *Phys. Rev. C* **97** no. 2, (2018) 024906, [arXiv:1709.01127 \[nucl-ex\]](#).
- [185] **ALICE** Collaboration, S. Acharya *et al.*, “ $\pi^0$  and  $\eta$  meson production in proton-proton collisions at  $\sqrt{s} = 8$  TeV,” *Eur. Phys. J. C* **78** no. 3, (2018) 263, [arXiv:1708.08745 \[hep-ex\]](#).
- [186] **ALICE** Collaboration, S. Acharya *et al.*, “Charged-particle multiplicity distributions over a wide pseudorapidity range in proton-proton collisions at  $\sqrt{s} = 0.9, 7$ , and  $8$  TeV,” *Eur. Phys. J. C* **77** no. 12, (2017) 852, [arXiv:1708.01435 \[hep-ex\]](#).
- [187] **ALICE** Collaboration, S. Acharya *et al.*, “Measurement of deuteron spectra and elliptic flow in Pb-Pb collisions at  $\sqrt{s_{\text{NN}}} = 2.76$  TeV at the LHC,” *Eur. Phys. J. C* **77** no. 10, (2017) 658, [arXiv:1707.07304 \[nucl-ex\]](#).
- [188] **ALICE** Collaboration, S. Acharya *et al.*, “Searches for transverse momentum dependent flow vector fluctuations in Pb-Pb and p-Pb collisions at the LHC,” *JHEP* **09** (2017) 032, [arXiv:1707.05690 \[nucl-ex\]](#).
- [189] **ALICE** Collaboration, S. Acharya *et al.*, “ $D$ -meson azimuthal anisotropy in midcentral Pb-Pb collisions at  $\sqrt{s_{\text{NN}}} = 5.02$  TeV,” *Phys. Rev. Lett.* **120** no. 10, (2018) 102301, [arXiv:1707.01005 \[nucl-ex\]](#).

- [190] **ALICE** Collaboration, S. Acharya *et al.*, “Measuring  $K_S^0 K^\pm$  interactions using Pb-Pb collisions at  $\sqrt{s_{\text{NN}}} = 2.76$  TeV,” *Phys. Lett. B* **774** (2017) 64–77, [arXiv:1705.04929 \[nucl-ex\]](#).
- [191] **ALICE** Collaboration, S. Acharya *et al.*, “Linear and non-linear flow modes in Pb-Pb collisions at  $\sqrt{s_{\text{NN}}} = 2.76$  TeV,” *Phys. Lett. B* **773** (2017) 68–80, [arXiv:1705.04377 \[nucl-ex\]](#).
- [192] **ALICE** Collaboration, D. Adamová *et al.*, “ $J/\psi$  production as a function of charged-particle pseudorapidity density in p-Pb collisions at  $\sqrt{s_{\text{NN}}} = 5.02$  TeV,” *Phys. Lett. B* **776** (2018) 91–104, [arXiv:1704.00274 \[nucl-ex\]](#).
- [193] **ALICE** Collaboration, J. Adam *et al.*, “Flow dominance and factorization of transverse momentum correlations in Pb-Pb collisions at the LHC,” *Phys. Rev. Lett.* **118** no. 16, (2017) 162302, [arXiv:1702.02665 \[nucl-ex\]](#).
- [194] **ALICE** Collaboration, D. Adamova *et al.*, “Azimuthally differential pion femtoscopy in Pb-Pb collisions at  $\sqrt{s_{\text{NN}}} = 2.76$  TeV,” *Phys. Rev. Lett.* **118** no. 22, (2017) 222301, [arXiv:1702.01612 \[nucl-ex\]](#).
- [195] **ALICE** Collaboration, S. Acharya *et al.*, “Production of muons from heavy-flavour hadron decays in p-Pb collisions at  $\sqrt{s_{\text{NN}}} = 5.02$  TeV,” *Phys. Lett. B* **770** (2017) 459–472, [arXiv:1702.01479 \[nucl-ex\]](#).
- [196] **ALICE** Collaboration, S. Acharya *et al.*, “Production of  $\pi^0$  and  $\eta$  mesons up to high transverse momentum in pp collisions at 2.76 TeV,” *Eur. Phys. J. C* **77** no. 5, (2017) 339, [arXiv:1702.00917 \[hep-ex\]](#).
- [197] **ALICE** Collaboration, J. Adam *et al.*, “ $K^*(892)^0$  and  $\phi(1020)$  meson production at high transverse momentum in pp and Pb-Pb collisions at  $\sqrt{s_{\text{NN}}} = 2.76$  TeV,” *Phys. Rev. C* **95** no. 6, (2017) 064606, [arXiv:1702.00555 \[nucl-ex\]](#).
- [198] **ALICE** Collaboration, S. Acharya *et al.*, “Energy dependence of forward-rapidity  $J/\psi$  and  $\psi(2S)$  production in pp collisions at the LHC,” *Eur. Phys. J. C* **77** no. 6, (2017) 392, [arXiv:1702.00557 \[hep-ex\]](#).
- [199] **ALICE** Collaboration, S. Acharya *et al.*, “Measurement of D-meson production at mid-rapidity in pp collisions at  $\sqrt{s} = 7$  TeV,” *Eur. Phys. J. C* **77** no. 8, (2017) 550, [arXiv:1702.00766 \[hep-ex\]](#).
- [200] **ALICE** Collaboration, S. Acharya *et al.*, “First measurement of jet mass in Pb-Pb and p-Pb collisions at the LHC,” *Phys. Lett. B* **776** (2018) 249–264, [arXiv:1702.00804 \[nucl-ex\]](#).
- [201] **ALICE** Collaboration, D. Adamova *et al.*, “Production of  $\Sigma(1385)^\pm$  and  $\Xi(1530)^0$  in p-Pb collisions at  $\sqrt{s_{\text{NN}}} = 5.02$  TeV,” *Eur. Phys. J. C* **77** no. 6, (2017) 389, [arXiv:1701.07797 \[nucl-ex\]](#).
- [202] **ALICE** Collaboration, J. Adam *et al.*, “Centrality dependence of the pseudorapidity density distribution for charged particles in Pb-Pb collisions at  $\sqrt{s_{\text{NN}}} = 5.02$  TeV,” *Phys. Lett. B* **772** (2017) 567–577, [arXiv:1612.08966 \[nucl-ex\]](#).

- [203] **ALICE** Collaboration, J. Adam *et al.*, “Insight into particle production mechanisms via angular correlations of identified particles in pp collisions at  $\sqrt{s} = 7$  TeV,” *Eur. Phys. J. C* **77** no. 8, (2017) 569, [arXiv:1612.08975 \[nucl-ex\]](#). [Erratum: Eur.Phys.J.C 79, 998 (2019)].
- [204] **ALICE** Collaboration, J. Adam *et al.*, “W and Z boson production in p-Pb collisions at  $\sqrt{s_{\text{NN}}} = 5.02$  TeV,” *JHEP* **02** (2017) 077, [arXiv:1611.03002 \[nucl-ex\]](#).
- [205] **ALICE** Collaboration, J. Adam *et al.*, “Determination of the event collision time with the ALICE detector at the LHC,” *Eur. Phys. J. Plus* **132** no. 2, (2017) 99, [arXiv:1610.03055 \[physics.ins-det\]](#).
- [206] **ALICE** Collaboration, J. Adam *et al.*, “Measurement of the production of high- $p_T$  electrons from heavy-flavour hadron decays in Pb-Pb collisions at  $\sqrt{s_{\text{NN}}} = 2.76$  TeV,” *Phys. Lett. B* **771** (2017) 467–481, [arXiv:1609.07104 \[nucl-ex\]](#).
- [207] **ALICE** Collaboration, J. Adam *et al.*, “Anomalous evolution of the near-side jet peak shape in Pb-Pb collisions at  $\sqrt{s_{\text{NN}}} = 2.76$  TeV,” *Phys. Rev. Lett.* **119** no. 10, (2017) 102301, [arXiv:1609.06643 \[nucl-ex\]](#).
- [208] **ALICE** Collaboration, J. Adam *et al.*, “Evolution of the longitudinal and azimuthal structure of the near-side jet peak in Pb-Pb collisions at  $\sqrt{s_{\text{NN}}} = 2.76$  TeV,” *Phys. Rev. C* **96** no. 3, (2017) 034904, [arXiv:1609.06667 \[nucl-ex\]](#).
- [209] **ALICE** Collaboration, J. Adam *et al.*, “Measurement of electrons from beauty-hadron decays in p-Pb collisions at  $\sqrt{s_{\text{NN}}} = 5.02$  TeV and Pb-Pb collisions at  $\sqrt{s_{\text{NN}}} = 2.76$  TeV,” *JHEP* **07** (2017) 052, [arXiv:1609.03898 \[nucl-ex\]](#).
- [210] **ALICE** Collaboration, J. Adam *et al.*, “Jet-like correlations with neutral pion triggers in pp and central Pb-Pb collisions at 2.76 TeV,” *Phys. Lett. B* **763** (2016) 238–250, [arXiv:1608.07201 \[nucl-ex\]](#).
- [211] **ALICE** Collaboration, J. Adam *et al.*, “ $J/\psi$  suppression at forward rapidity in Pb-Pb collisions at  $\sqrt{s_{\text{NN}}} = 5.02$  TeV,” *Phys. Lett. B* **766** (2017) 212–224, [arXiv:1606.08197 \[nucl-ex\]](#).
- [212] **ALICE** Collaboration, J. Adam *et al.*, “Enhanced production of multi-strange hadrons in high-multiplicity proton-proton collisions,” *Nature Phys.* **13** (2017) 535–539, [arXiv:1606.07424 \[nucl-ex\]](#).
- [213] **ALICE** Collaboration, J. Adam *et al.*, “Higher harmonic flow coefficients of identified hadrons in Pb-Pb collisions at  $\sqrt{s_{\text{NN}}} = 2.76$  TeV,” *JHEP* **09** (2016) 164, [arXiv:1606.06057 \[nucl-ex\]](#).
- [214] **ALICE** Collaboration, J. Adam *et al.*, “Elliptic flow of electrons from heavy-flavour hadron decays at mid-rapidity in Pb-Pb collisions at  $\sqrt{s_{\text{NN}}} = 2.76$  TeV,” *JHEP* **09** (2016) 028, [arXiv:1606.00321 \[nucl-ex\]](#).
- [215] **ALICE** Collaboration, J. Adam *et al.*, “ $D$ -meson production in  $p$ -Pb collisions at  $\sqrt{s_{\text{NN}}} = 5.02$  TeV and in pp collisions at  $\sqrt{s} = 7$  TeV,” *Phys. Rev. C* **94** no. 5, (2016) 054908, [arXiv:1605.07569 \[nucl-ex\]](#).

- [216] **ALICE** Collaboration, J. Adam *et al.*, “Measurement of azimuthal correlations of D mesons and charged particles in pp collisions at  $\sqrt{s} = 7$  TeV and p-Pb collisions at  $\sqrt{s_{\text{NN}}} = 5.02$  TeV,” *Eur. Phys. J. C* **77** no. 4, (2017) 245, [arXiv:1605.06963 \[nucl-ex\]](#).
- [217] **ALICE** Collaboration, J. Adam *et al.*, “Pseudorapidity dependence of the anisotropic flow of charged particles in Pb-Pb collisions at  $\sqrt{s_{\text{NN}}} = 2.76$  TeV,” *Phys. Lett. B* **762** (2016) 376–388, [arXiv:1605.02035 \[nucl-ex\]](#).
- [218] **ALICE** Collaboration, J. Adam *et al.*, “Correlated event-by-event fluctuations of flow harmonics in Pb-Pb collisions at  $\sqrt{s_{\text{NN}}} = 2.76$  TeV,” *Phys. Rev. Lett.* **117** (2016) 182301, [arXiv:1604.07663 \[nucl-ex\]](#).
- [219] **ALICE** Collaboration, J. Adam *et al.*, “Measurement of transverse energy at midrapidity in Pb-Pb collisions at  $\sqrt{s_{\text{NN}}} = 2.76$  TeV,” *Phys. Rev. C* **94** no. 3, (2016) 034903, [arXiv:1603.04775 \[nucl-ex\]](#).
- [220] **ALICE** Collaboration, J. Adam *et al.*, “Centrality dependence of  $\psi(2S)$  suppression in p-Pb collisions at  $\sqrt{s_{\text{NN}}} = 5.02$  TeV,” *JHEP* **06** (2016) 050, [arXiv:1603.02816 \[nucl-ex\]](#).
- [221] **ALICE** Collaboration, J. Adam *et al.*, “Measurement of D-meson production versus multiplicity in p-Pb collisions at  $\sqrt{s_{\text{NN}}} = 5.02$  TeV,” *JHEP* **08** (2016) 078, [arXiv:1602.07240 \[nucl-ex\]](#).
- [222] **ALICE** Collaboration, J. Adam *et al.*, “Particle identification in ALICE: a Bayesian approach,” *Eur. Phys. J. Plus* **131** no. 5, (2016) 168, [arXiv:1602.01392 \[physics.data-an\]](#).
- [223] **ALICE** Collaboration, J. Adam *et al.*, “Anisotropic flow of charged particles in Pb-Pb collisions at  $\sqrt{s_{\text{NN}}} = 5.02$  TeV,” *Phys. Rev. Lett.* **116** no. 13, (2016) 132302, [arXiv:1602.01119 \[nucl-ex\]](#).
- [224] **ALICE** Collaboration, J. Adam *et al.*, “Production of  $K^*(892)^0$  and  $\phi(1020)$  in p-Pb collisions at  $\sqrt{s_{\text{NN}}} = 5.02$  TeV,” *Eur. Phys. J. C* **76** no. 5, (2016) 245, [arXiv:1601.07868 \[nucl-ex\]](#).
- [225] **ALICE** Collaboration, J. Adam *et al.*, “Multiplicity dependence of charged pion, kaon, and (anti)proton production at large transverse momentum in p-Pb collisions at  $\sqrt{s_{\text{NN}}} = 5.02$  TeV,” *Phys. Lett. B* **760** (2016) 720–735, [arXiv:1601.03658 \[nucl-ex\]](#).
- [226] **ALICE** Collaboration, J. Adam *et al.*, “Multi-strange baryon production in p-Pb collisions at  $\sqrt{s_{\text{NN}}} = 5.02$  TeV,” *Phys. Lett. B* **758** (2016) 389–401, [arXiv:1512.07227 \[nucl-ex\]](#).
- [227] **ALICE** Collaboration, J. Adam *et al.*, “Centrality dependence of the charged-particle multiplicity density at midrapidity in Pb-Pb collisions at  $\sqrt{s_{\text{NN}}} = 5.02$  TeV,” *Phys. Rev. Lett.* **116** no. 22, (2016) 222302, [arXiv:1512.06104 \[nucl-ex\]](#).
- [228] **ALICE** Collaboration, J. Adam *et al.*, “Charge-dependent flow and the search for the chiral magnetic wave in Pb-Pb collisions at  $\sqrt{s_{\text{NN}}} = 2.76$  TeV,” *Phys. Rev. C* **93** no. 4, (2016) 044903, [arXiv:1512.05739 \[nucl-ex\]](#).
- [229] **ALICE** Collaboration, J. Adam *et al.*, “Pseudorapidity and transverse-momentum distributions of charged particles in proton-proton collisions at  $\sqrt{s} = 13$  TeV,” *Phys. Lett. B* **753** (2016) 319–329, [arXiv:1509.08734 \[nucl-ex\]](#).

- [230] **ALICE** Collaboration, J. Adam *et al.*, “Measurement of an excess in the yield of  $J/\psi$  at very low  $p_T$  in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV,” *Phys. Rev. Lett.* **116** no. 22, (2016) 222301, [arXiv:1509.08802 \[nucl-ex\]](#).
- [231] **ALICE** Collaboration, J. Adam *et al.*, “Inclusive quarkonium production at forward rapidity in pp collisions at  $\sqrt{s} = 8$  TeV,” *Eur. Phys. J. C* **76** no. 4, (2016) 184, [arXiv:1509.08258 \[hep-ex\]](#).
- [232] **ALICE** Collaboration, J. Adam *et al.*, “Multiplicity and transverse momentum evolution of charge-dependent correlations in pp, p-Pb, and Pb-Pb collisions at the LHC,” *Eur. Phys. J. C* **76** no. 2, (2016) 86, [arXiv:1509.07255 \[nucl-ex\]](#).
- [233] **ALICE** Collaboration, J. Adam *et al.*, “Measurement of  $D_s^+$  production and nuclear modification factor in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV,” *JHEP* **03** (2016) 082, [arXiv:1509.07287 \[nucl-ex\]](#).
- [234] **ALICE** Collaboration, J. Adam *et al.*, “Centrality evolution of the charged-particle pseudorapidity density over a broad pseudorapidity range in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV,” *Phys. Lett. B* **754** (2016) 373–385, [arXiv:1509.07299 \[nucl-ex\]](#).
- [235] **ALICE** Collaboration, J. Adam *et al.*, “Direct photon production in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV,” *Phys. Lett. B* **754** (2016) 235–248, [arXiv:1509.07324 \[nucl-ex\]](#).
- [236] **ALICE** Collaboration, J. Adam *et al.*, “Azimuthal anisotropy of charged jet production in  $\sqrt{s_{NN}} = 2.76$  TeV Pb-Pb collisions,” *Phys. Lett. B* **753** (2016) 511–525, [arXiv:1509.07334 \[nucl-ex\]](#).
- [237] **ALICE** Collaboration, J. Adam *et al.*, “Measurement of electrons from heavy-flavour hadron decays in p-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV,” *Phys. Lett. B* **754** (2016) 81–93, [arXiv:1509.07491 \[nucl-ex\]](#).
- [238] **ALICE** Collaboration, J. Adam *et al.*, “Charged-particle multiplicities in proton-proton collisions at  $\sqrt{s} = 0.9$  to 8 TeV,” *Eur. Phys. J. C* **77** no. 1, (2017) 33, [arXiv:1509.07541 \[nucl-ex\]](#).
- [239] **ALICE** Collaboration, J. Adam *et al.*, “Transverse momentum dependence of D-meson production in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV,” *JHEP* **03** (2016) 081, [arXiv:1509.06888 \[nucl-ex\]](#).
- [240] **ALICE** Collaboration, J. Adam *et al.*, “Coherent  $\psi(2S)$  photo-production in ultra-peripheral Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV,” *Phys. Lett. B* **751** (2015) 358–370, [arXiv:1508.05076 \[nucl-ex\]](#).
- [241] **ALICE** Collaboration, J. Adam *et al.*, “Precision measurement of the mass difference between light nuclei and anti-nuclei with the ALICE experiment at the LHC,” *Nature Phys.* **11** no. 10, (2015) 811–814, [arXiv:1508.03986 \[nucl-ex\]](#).
- [242] **ALICE** Collaboration, J. Adam *et al.*, “Centrality dependence of pion freeze-out radii in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV,” *Phys. Rev. C* **93** no. 2, (2016) 024905, [arXiv:1507.06842 \[nucl-ex\]](#).

- [243] **ALICE** Collaboration, J. Adam *et al.*, “Event shape engineering for inclusive spectra and elliptic flow in Pb-Pb collisions at  $\sqrt{s_{\text{NN}}} = 2.76$  TeV,” *Phys. Rev. C* **93** no. 3, (2016) 034916, [arXiv:1507.06194 \[nucl-ex\]](#).
- [244] **ALICE** Collaboration, J. Adam *et al.*, “Elliptic flow of muons from heavy-flavour hadron decays at forward rapidity in Pb-Pb collisions at  $\sqrt{s_{\text{NN}}} = 2.76$  TeV,” *Phys. Lett. B* **753** (2016) 41–56, [arXiv:1507.03134 \[nucl-ex\]](#).
- [245] **ALICE** Collaboration, J. Adam *et al.*, “Production of light nuclei and anti-nuclei in pp and Pb-Pb collisions at energies available at the CERN Large Hadron Collider,” *Phys. Rev. C* **93** no. 2, (2016) 024917, [arXiv:1506.08951 \[nucl-ex\]](#).
- [246] **ALICE** Collaboration, J. Adam *et al.*, “Differential studies of inclusive  $J/\psi$  and  $\psi(2S)$  production at forward rapidity in Pb-Pb collisions at  $\sqrt{s_{\text{NN}}} = 2.76$  TeV,” *JHEP* **05** (2016) 179, [arXiv:1506.08804 \[nucl-ex\]](#).
- [247] **ALICE** Collaboration, J. Adam *et al.*, “Centrality dependence of inclusive  $J/\psi$  production in p-Pb collisions at  $\sqrt{s_{\text{NN}}} = 5.02$  TeV,” *JHEP* **11** (2015) 127, [arXiv:1506.08808 \[nucl-ex\]](#).
- [248] **ALICE** Collaboration, J. Adam *et al.*, “ ${}^3_{\Lambda}\text{H}$  and  ${}^3_{\Lambda}\overline{\text{H}}$  production in Pb-Pb collisions at  $\sqrt{s_{\text{NN}}} = 2.76$  TeV,” *Phys. Lett. B* **754** (2016) 360–372, [arXiv:1506.08453 \[nucl-ex\]](#).
- [249] **ALICE** Collaboration, J. Adam *et al.*, “Forward-central two-particle correlations in p-Pb collisions at  $\sqrt{s_{\text{NN}}} = 5.02$  TeV,” *Phys. Lett. B* **753** (2016) 126–139, [arXiv:1506.08032 \[nucl-ex\]](#).
- [250] **ALICE** Collaboration, J. Adam *et al.*, “One-dimensional pion, kaon, and proton femtoscopy in Pb-Pb collisions at  $\sqrt{s_{\text{NN}}} = 2.76$  TeV,” *Phys. Rev. C* **92** no. 5, (2015) 054908, [arXiv:1506.07884 \[nucl-ex\]](#).
- [251] **ALICE** Collaboration, J. Adam *et al.*, “Centrality dependence of the nuclear modification factor of charged pions, kaons, and protons in Pb-Pb collisions at  $\sqrt{s_{\text{NN}}} = 2.76$  TeV,” *Phys. Rev. C* **93** no. 3, (2016) 034913, [arXiv:1506.07287 \[nucl-ex\]](#).
- [252] **ALICE** Collaboration, J. Adam *et al.*, “Search for weakly decaying  $\overline{\Lambda}\text{n}$  and  $\Lambda\Lambda$  exotic bound states in central Pb-Pb collisions at  $\sqrt{s_{\text{NN}}} = 2.76$  TeV,” *Phys. Lett. B* **752** (2016) 267–277, [arXiv:1506.07499 \[nucl-ex\]](#).
- [253] **ALICE** Collaboration, J. Adam *et al.*, “Centrality dependence of high- $p_T$  D meson suppression in Pb-Pb collisions at  $\sqrt{s_{\text{NN}}} = 2.76$  TeV,” *JHEP* **11** (2015) 205. [Addendum: *JHEP* **06**, 32 (2017)].
- [254] **ALICE** Collaboration, J. Adam *et al.*, “Measurement of jet quenching with semi-inclusive hadron-jet distributions in central Pb-Pb collisions at  $\sqrt{s_{\text{NN}}} = 2.76$  TeV,” *JHEP* **09** (2015) 170, [arXiv:1506.03984 \[nucl-ex\]](#).
- [255] **ALICE** Collaboration, J. Adam *et al.*, “Measurement of charm and beauty production at central rapidity versus charged-particle multiplicity in proton-proton collisions at  $\sqrt{s} = 7$  TeV,” *JHEP* **09** (2015) 148, [arXiv:1505.00664 \[nucl-ex\]](#).
- [256] **ALICE** Collaboration, J. Adam *et al.*, “Inclusive, prompt and non-prompt  $J/\psi$  production at mid-rapidity in Pb-Pb collisions at  $\sqrt{s_{\text{NN}}} = 2.76$  TeV,” *JHEP* **07** (2015) 051, [arXiv:1504.07151 \[nucl-ex\]](#).

- [257] **ALICE** Collaboration, J. Adam *et al.*, “Coherent  $\rho^0$  photoproduction in ultra-peripheral Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV,” *JHEP* **09** (2015) 095, [arXiv:1503.09177 \[nucl-ex\]](#).
- [258] **ALICE** Collaboration, J. Adam *et al.*, “Measurement of pion, kaon and proton production in proton-proton collisions at  $\sqrt{s} = 7$  TeV,” *Eur. Phys. J. C* **75** no. 5, (2015) 226, [arXiv:1504.00024 \[nucl-ex\]](#).
- [259] **ALICE** Collaboration, J. Adam *et al.*, “Rapidity and transverse-momentum dependence of the inclusive  $J/\psi$  nuclear modification factor in p-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV,” *JHEP* **06** (2015) 055, [arXiv:1503.07179 \[nucl-ex\]](#).
- [260] **ALICE** Collaboration, J. Adam *et al.*, “Measurement of dijet  $k_T$  in p-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV,” *Phys. Lett. B* **746** (2015) 385–395, [arXiv:1503.03050 \[nucl-ex\]](#).
- [261] **ALICE** Collaboration, J. Adam *et al.*, “Measurement of charged jet production cross sections and nuclear modification in p-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV,” *Phys. Lett. B* **749** (2015) 68–81, [arXiv:1503.00681 \[nucl-ex\]](#).
- [262] **ALICE** Collaboration, J. Adam *et al.*, “Measurement of jet suppression in central Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV,” *Phys. Lett. B* **746** (2015) 1–14, [arXiv:1502.01689 \[nucl-ex\]](#).
- [263] **ALICE** Collaboration, J. Adam *et al.*, “Two-pion femtoscopy in p-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV,” *Phys. Rev. C* **91** (2015) 034906, [arXiv:1502.00559 \[nucl-ex\]](#).
- [264] **ALICE** Collaboration, J. Adam *et al.*, “Forward-backward multiplicity correlations in pp collisions at  $\sqrt{s} = 0.9, 2.76$  and  $7$  TeV,” *JHEP* **05** (2015) 097, [arXiv:1502.00230 \[nucl-ex\]](#).
- [265] **ALICE** Collaboration, J. Adam *et al.*, “Centrality dependence of particle production in p-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV,” *Phys. Rev. C* **91** no. 6, (2015) 064905, [arXiv:1412.6828 \[nucl-ex\]](#).
- [266] **ALICE** Collaboration, B. B. Abelev *et al.*, “Charged jet cross sections and properties in proton-proton collisions at  $\sqrt{s} = 7$  TeV,” *Phys. Rev. D* **91** no. 11, (2015) 112012, [arXiv:1411.4969 \[nucl-ex\]](#).
- [267] **ALICE** Collaboration, B. B. Abelev *et al.*, “Inclusive photon production at forward rapidities in proton-proton collisions at  $\sqrt{s} = 0.9, 2.76$  and  $7$  TeV,” *Eur. Phys. J. C* **75** no. 4, (2015) 146, [arXiv:1411.4981 \[nucl-ex\]](#).
- [268] **ALICE** Collaboration, B. B. Abelev *et al.*, “Production of inclusive  $\Upsilon(1S)$  and  $\Upsilon(2S)$  in p-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV,” *Phys. Lett. B* **740** (2015) 105–117, [arXiv:1410.2234 \[nucl-ex\]](#).
- [269] **ALICE** Collaboration, B. B. Abelev *et al.*, “Event-by-event mean  $p_T$  fluctuations in pp and Pb-Pb collisions at the LHC,” *Eur. Phys. J. C* **74** no. 10, (2014) 3077, [arXiv:1407.5530 \[nucl-ex\]](#).
- [270] **ALICE** Collaboration, B. B. Abelev *et al.*, “Exclusive  $J/\psi$  photoproduction off protons in ultra-peripheral p-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV,” *Phys. Rev. Lett.* **113** no. 23, (2014) 232504, [arXiv:1406.7819 \[nucl-ex\]](#).

- [271] **ALICE** Collaboration, B. B. Abelev *et al.*, “Multiplicity dependence of jet-like two-particle correlation structures in p–Pb collisions at  $\sqrt{s_{NN}}=5.02$  TeV,” *Phys. Lett. B* **741** (2015) 38–50, [arXiv:1406.5463 \[nucl-ex\]](#).
- [272] **ALICE** Collaboration, B. B. Abelev *et al.*, “Production of  $\Sigma(1385)^{\pm}$  and  $\Xi(1530)^0$  in proton-proton collisions at  $\sqrt{s} = 7$  TeV,” *Eur. Phys. J. C* **75** no. 1, (2015) 1, [arXiv:1406.3206 \[nucl-ex\]](#).
- [273] **ALICE** Collaboration, B. B. Abelev *et al.*, “Multiparticle azimuthal correlations in p -Pb and Pb-Pb collisions at the CERN Large Hadron Collider,” *Phys. Rev. C* **90** no. 5, (2014) 054901, [arXiv:1406.2474 \[nucl-ex\]](#).
- [274] **ALICE** Collaboration, B. B. Abelev *et al.*, “Elliptic flow of identified hadrons in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV,” *JHEP* **06** (2015) 190, [arXiv:1405.4632 \[nucl-ex\]](#).
- [275] **ALICE** Collaboration, B. B. Abelev *et al.*, “Suppression of  $\Upsilon(1S)$  at forward rapidity in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV,” *Phys. Lett. B* **738** (2014) 361–372, [arXiv:1405.4493 \[nucl-ex\]](#).
- [276] **ALICE** Collaboration, B. B. Abelev *et al.*, “Measurement of electrons from semileptonic heavy-flavor hadron decays in  $pp$  collisions at  $\sqrt{s} = 2.76$  TeV,” *Phys. Rev. D* **91** no. 1, (2015) 012001, [arXiv:1405.4117 \[nucl-ex\]](#).
- [277] **ALICE** Collaboration, B. B. Abelev *et al.*, “Beauty production in  $pp$  collisions at  $\sqrt{s} = 2.76$  TeV measured via semi-electronic decays,” *Phys. Lett. B* **738** (2014) 97–108, [arXiv:1405.4144 \[nucl-ex\]](#).
- [278] **ALICE** Collaboration, B. B. Abelev *et al.*, “Neutral pion production at midrapidity in  $pp$  and Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV,” *Eur. Phys. J. C* **74** no. 10, (2014) 3108, [arXiv:1405.3794 \[nucl-ex\]](#).
- [279] **ALICE** Collaboration, B. B. Abelev *et al.*, “Suppression of  $\psi(2S)$  production in p-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV,” *JHEP* **12** (2014) 073, [arXiv:1405.3796 \[nucl-ex\]](#).
- [280] **ALICE** Collaboration, B. B. Abelev *et al.*, “Measurement of prompt  $D$ -meson production in  $p - Pb$  collisions at  $\sqrt{s_{NN}} = 5.02$  TeV,” *Phys. Rev. Lett.* **113** no. 23, (2014) 232301, [arXiv:1405.3452 \[nucl-ex\]](#).
- [281] **ALICE** Collaboration, B. B. Abelev *et al.*, “Transverse momentum dependence of inclusive primary charged-particle production in p-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV,” *Eur. Phys. J. C* **74** no. 9, (2014) 3054, [arXiv:1405.2737 \[nucl-ex\]](#).
- [282] **ALICE** Collaboration, B. B. Abelev *et al.*, “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,” *JINST* **9** no. 11, (2014) P11003, [arXiv:1405.1849 \[nucl-ex\]](#).
- [283] **ALICE** Collaboration, B. B. Abelev *et al.*, “Azimuthal anisotropy of  $D$  meson production in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV,” *Phys. Rev. C* **90** no. 3, (2014) 034904, [arXiv:1405.2001 \[nucl-ex\]](#).
- [284] **ALICE** Collaboration, B. B. Abelev *et al.*, “Freeze-out radii extracted from three-pion cumulants in  $pp$ , p–Pb and Pb–Pb collisions at the LHC,” *Phys. Lett. B* **739** (2014) 139–151, [arXiv:1404.1194 \[nucl-ex\]](#).

- [285] **ALICE** Collaboration, B. B. Abelev *et al.*, “ $K^*(892)^0$  and (1020) production in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV,” *Phys. Rev. C* **91** (2015) 024609, [arXiv:1404.0495 \[nucl-ex\]](#).
- [286] **ALICE** Collaboration, B. B. Abelev *et al.*, “Measurement of quarkonium production at forward rapidity in  $pp$  collisions at  $\sqrt{s} = 7$  TeV,” *Eur. Phys. J. C* **74** no. 8, (2014) 2974, [arXiv:1403.3648 \[nucl-ex\]](#).
- [287] **ALICE** Collaboration, B. B. Abelev *et al.*, “Performance of the ALICE Experiment at the CERN LHC,” *Int. J. Mod. Phys. A* **29** (2014) 1430044, [arXiv:1402.4476 \[nucl-ex\]](#).
- [288] **ALICE** Collaboration, B. B. Abelev *et al.*, “Production of charged pions, kaons and protons at large transverse momenta in  $pp$  and Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV,” *Phys. Lett. B* **736** (2014) 196–207, [arXiv:1401.1250 \[nucl-ex\]](#).
- [289] **ALICE** Collaboration, B. Abelev *et al.*, “Measurement of charged jet suppression in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV,” *JHEP* **03** (2014) 013, [arXiv:1311.0633 \[nucl-ex\]](#).
- [290] **ALICE** Collaboration, B. B. Abelev *et al.*, “Centrality, rapidity and transverse momentum dependence of  $J/\psi$  suppression in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV,” *Phys. Lett. B* **734** (2014) 314–327, [arXiv:1311.0214 \[nucl-ex\]](#).
- [291] **ALICE** Collaboration, B. B. Abelev *et al.*, “Two- and three-pion quantum statistics correlations in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV at the CERN Large Hadron Collider,” *Phys. Rev. C* **89** no. 2, (2014) 024911, [arXiv:1310.7808 \[nucl-ex\]](#).
- [292] **ALICE** Collaboration, B. B. Abelev *et al.*, “ $J/\psi$  production and nuclear effects in p-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV,” *JHEP* **02** (2014) 073, [arXiv:1308.6726 \[nucl-ex\]](#).
- [293] **ALICE** Collaboration, B. B. Abelev *et al.*, “Multiplicity Dependence of Pion, Kaon, Proton and Lambda Production in p-Pb Collisions at  $\sqrt{s_{NN}} = 5.02$  TeV,” *Phys. Lett. B* **728** (2014) 25–38, [arXiv:1307.6796 \[nucl-ex\]](#).
- [294] **ALICE** Collaboration, B. B. Abelev *et al.*, “ $K_S^0$  and  $\Lambda$  production in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV,” *Phys. Rev. Lett.* **111** (2013) 222301, [arXiv:1307.5530 \[nucl-ex\]](#).
- [295] **ALICE** Collaboration, B. B. Abelev *et al.*, “Multi-strange baryon production at mid-rapidity in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV,” *Phys. Lett. B* **728** (2014) 216–227, [arXiv:1307.5543 \[nucl-ex\]](#). [Erratum: *Phys.Lett.B* 734, 409–410 (2014)].
- [296] **ALICE** Collaboration, B. B. Abelev *et al.*, “Long-range angular correlations of  $\pi$ , K and p in p-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV,” *Phys. Lett. B* **726** (2013) 164–177, [arXiv:1307.3237 \[nucl-ex\]](#).
- [297] **ALICE** Collaboration, B. Abelev *et al.*, “Multiplicity dependence of two-particle azimuthal correlations in  $pp$  collisions at the LHC,” *JHEP* **09** (2013) 049, [arXiv:1307.1249 \[nucl-ex\]](#).
- [298] **ALICE** Collaboration, B. B. Abelev *et al.*, “Energy Dependence of the Transverse Momentum Distributions of Charged Particles in  $pp$  Collisions Measured by ALICE,” *Eur. Phys. J. C* **73** no. 12, (2013) 2662, [arXiv:1307.1093 \[nucl-ex\]](#).

- [299] **ALICE** Collaboration, B. B. Abelev *et al.*, “Multiplicity dependence of the average transverse momentum in pp, p-Pb, and Pb-Pb collisions at the LHC,” *Phys. Lett. B* **727** (2013) 371–380, [arXiv:1307.1094 \[nucl-ex\]](#).
- [300] **ALICE** Collaboration, B. Abelev *et al.*, “Directed Flow of Charged Particles at Midrapidity Relative to the Spectator Plane in Pb-Pb Collisions at  $\sqrt{s_{NN}}=2.76$  TeV,” *Phys. Rev. Lett.* **111** no. 23, (2013) 232302, [arXiv:1306.4145 \[nucl-ex\]](#).
- [301] **ALICE** Collaboration, E. Abbas *et al.*, “Performance of the ALICE VZERO system,” *JINST* **8** (2013) P10016, [arXiv:1306.3130 \[nucl-ex\]](#).
- [302] **ALICE** Collaboration, B. Abelev *et al.*, “D meson elliptic flow in non-central Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV,” *Phys. Rev. Lett.* **111** (2013) 102301, [arXiv:1305.2707 \[nucl-ex\]](#).
- [303] **ALICE** Collaboration, E. Abbas *et al.*, “Charmonium and  $e^+e^-$  pair photoproduction at mid-rapidity in ultra-peripheral Pb-Pb collisions at  $\sqrt{s_{NN}}=2.76$  TeV,” *Eur. Phys. J. C* **73** no. 11, (2013) 2617, [arXiv:1305.1467 \[nucl-ex\]](#).
- [304] **ALICE** Collaboration, E. Abbas *et al.*, “Mid-rapidity anti-baryon to baryon ratios in pp collisions at  $\sqrt{s} = 0.9$ , 2.76 and 7 TeV measured by ALICE,” *Eur. Phys. J. C* **73** (2013) 2496, [arXiv:1305.1562 \[nucl-ex\]](#).
- [305] **ALICE** Collaboration, E. Abbas *et al.*, “Centrality dependence of the pseudorapidity density distribution for charged particles in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV,” *Phys. Lett. B* **726** (2013) 610–622, [arXiv:1304.0347 \[nucl-ex\]](#).
- [306] **ALICE** Collaboration, E. Abbas *et al.*, “J/Psi Elliptic Flow in Pb-Pb Collisions at  $\sqrt{s_{NN}} = 2.76$  TeV,” *Phys. Rev. Lett.* **111** (2013) 162301, [arXiv:1303.5880 \[nucl-ex\]](#).
- [307] **ALICE** Collaboration, B. Abelev *et al.*, “Centrality dependence of  $\pi$ , K, p production in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV,” *Phys. Rev. C* **88** (2013) 044910, [arXiv:1303.0737 \[hep-ex\]](#).
- [308] **ALICE** Collaboration, B. Abelev *et al.*, “Centrality determination of Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV with ALICE,” *Phys. Rev. C* **88** no. 4, (2013) 044909, [arXiv:1301.4361 \[nucl-ex\]](#).
- [309] **ALICE** Collaboration, B. Abelev *et al.*, “Measurement of the inclusive differential jet cross section in pp collisions at  $\sqrt{s} = 2.76$  TeV,” *Phys. Lett. B* **722** (2013) 262–272, [arXiv:1301.3475 \[nucl-ex\]](#).
- [310] **ALICE** Collaboration, B. Abelev *et al.*, “Charge correlations using the balance function in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV,” *Phys. Lett. B* **723** (2013) 267–279, [arXiv:1301.3756 \[nucl-ex\]](#).
- [311] **ALICE** Collaboration, B. Abelev *et al.*, “Long-range angular correlations on the near and away side in p-Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV,” *Phys. Lett. B* **719** (2013) 29–41, [arXiv:1212.2001 \[nucl-ex\]](#).
- [312] **ALICE** Collaboration, B. Abelev *et al.*, “Charged kaon femtoscopy correlations in pp collisions at  $\sqrt{s} = 7$  TeV,” *Phys. Rev. D* **87** no. 5, (2013) 052016, [arXiv:1212.5958 \[hep-ex\]](#).

- [313] **ALICE** Collaboration, B. Abelev *et al.*, “Measurement of prompt  $J/\psi$  and beauty hadron production cross sections at mid-rapidity in  $pp$  collisions at  $\sqrt{s} = 7$  TeV,” *JHEP* **11** (2012) 065, [arXiv:1205.5880 \[hep-ex\]](#).
- [314] **ALICE** Collaboration, B. Abelev *et al.*, “Measurement of electrons from beauty hadron decays in  $pp$  collisions at  $\sqrt{s} = 7$  TeV,” *Phys. Lett. B* **721** (2013) 13–23, [arXiv:1208.1902 \[hep-ex\]](#). [Erratum: *Phys.Lett.B* 763, 507–509 (2016)].
- [315] **ALICE** Collaboration, B. Abelev *et al.*, “ $D_s^+$  meson production at central rapidity in proton–proton collisions at  $\sqrt{s} = 7$  TeV,” *Phys. Lett. B* **718** (2012) 279–294, [arXiv:1208.1948 \[hep-ex\]](#).
- [316] **ALICE** Collaboration, B. Abelev *et al.*, “Pseudorapidity density of charged particles in  $p + Pb$  collisions at  $\sqrt{s_{NN}} = 5.02$  TeV,” *Phys. Rev. Lett.* **110** no. 3, (2013) 032301, [arXiv:1210.3615 \[nucl-ex\]](#).
- [317] **ALICE** Collaboration, B. Abelev *et al.*, “Transverse momentum distribution and nuclear modification factor of charged particles in  $p$ -Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV,” *Phys. Rev. Lett.* **110** no. 8, (2013) 082302, [arXiv:1210.4520 \[nucl-ex\]](#).
- [318] **ALICE** Collaboration, B. Abelev *et al.*, “Coherent  $J/\psi$  photoproduction in ultra-peripheral  $Pb$ - $Pb$  collisions at  $\sqrt{s_{NN}} = 2.76$  TeV,” *Phys. Lett. B* **718** (2013) 1273–1283, [arXiv:1209.3715 \[nucl-ex\]](#).
- [319] **ALICE** Collaboration, B. Abelev *et al.*, “Pion, Kaon, and Proton Production in Central  $Pb$ - $Pb$  Collisions at  $\sqrt{s_{NN}} = 2.76$  TeV,” *Phys. Rev. Lett.* **109** (2012) 252301, [arXiv:1208.1974 \[hep-ex\]](#).
- [320] **ALICE** Collaboration, B. Abelev *et al.*, “Centrality Dependence of Charged Particle Production at Large Transverse Momentum in  $Pb$ - $Pb$  Collisions at  $\sqrt{s_{NN}} = 2.76$  TeV,” *Phys. Lett. B* **720** (2013) 52–62, [arXiv:1208.2711 \[hep-ex\]](#).
- [321] **ALICE** Collaboration, B. Abelev *et al.*, “Measurement of inelastic, single- and double-diffraction cross sections in proton–proton collisions at the LHC with ALICE,” *Eur. Phys. J. C* **73** no. 6, (2013) 2456, [arXiv:1208.4968 \[hep-ex\]](#).
- [322] **ALICE** Collaboration, B. Abelev *et al.*, “Production of  $K^*(892)^0$  and  $\phi(1020)$  in  $pp$  collisions at  $\sqrt{s} = 7$  TeV,” *Eur. Phys. J. C* **72** (2012) 2183, [arXiv:1208.5717 \[hep-ex\]](#).
- [323] **ALICE** Collaboration, B. Abelev *et al.*, “Charge separation relative to the reaction plane in  $Pb$ - $Pb$  collisions at  $\sqrt{s_{NN}} = 2.76$  TeV,” *Phys. Rev. Lett.* **110** no. 1, (2013) 012301, [arXiv:1207.0900 \[nucl-ex\]](#).
- [324] **ALICE** Collaboration, B. Abelev *et al.*, “Net-Charge Fluctuations in  $Pb$ - $Pb$  collisions at  $\sqrt{s_{NN}} = 2.76$  TeV,” *Phys. Rev. Lett.* **110** no. 15, (2013) 152301, [arXiv:1207.6068 \[nucl-ex\]](#).
- [325] **ALICE** Collaboration, B. Abelev *et al.*, “ $K_s^0 - \bar{K}_s^0$  correlations in  $pp$  collisions at  $\sqrt{s} = 7$  TeV from the LHC ALICE experiment,” *Phys. Lett. B* **717** (2012) 151–161, [arXiv:1206.2056 \[hep-ex\]](#).

- [326] **ALICE** Collaboration, B. Abelev *et al.*, “Transverse sphericity of primary charged particles in minimum bias proton-proton collisions at  $\sqrt{s} = 0.9, 2.76$  and  $7$  TeV,” *Eur. Phys. J. C* **72** (2012) 2124, [arXiv:1205.3963 \[hep-ex\]](#).
- [327] **ALICE** Collaboration, B. Abelev *et al.*, “Measurement of charm production at central rapidity in proton-proton collisions at  $\sqrt{s} = 2.76$  TeV,” *JHEP* **07** (2012) 191, [arXiv:1205.4007 \[hep-ex\]](#).
- [328] **ALICE** Collaboration, B. Abelev *et al.*, “Measurement of electrons from semileptonic heavy-flavour hadron decays in pp collisions at  $\sqrt{s_{NN}} = 7$  TeV,” *Phys. Rev. D* **86** (2012) 112007, [arXiv:1205.5423 \[hep-ex\]](#).
- [329] **ALICE** Collaboration, B. Abelev *et al.*, “Neutral pion and  $\eta$  meson production in proton-proton collisions at  $\sqrt{s} = 0.9$  TeV and  $\sqrt{s} = 7$  TeV,” *Phys. Lett. B* **717** (2012) 162–172, [arXiv:1205.5724 \[hep-ex\]](#).
- [330] **ALICE** Collaboration, B. Abelev *et al.*, “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,” *Phys. Lett. B* **719** (2013) 18–28, [arXiv:1205.5761 \[nucl-ex\]](#).
- [331] **ALICE** Collaboration, B. Abelev *et al.*, “Production of muons from heavy flavour decays at forward rapidity in pp and Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV,” *Phys. Rev. Lett.* **109** (2012) 112301, [arXiv:1205.6443 \[hep-ex\]](#).
- [332] **ALICE** Collaboration, B. Abelev *et al.*, “Multi-strange baryon production in pp collisions at  $\sqrt{s} = 7$  TeV with ALICE,” *Phys. Lett. B* **712** (2012) 309–318, [arXiv:1204.0282 \[nucl-ex\]](#).
- [333] **ALICE** Collaboration, B. Abelev *et al.*, “Suppression of high transverse momentum D mesons in central Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV,” *JHEP* **09** (2012) 112, [arXiv:1203.2160 \[nucl-ex\]](#).
- [334] **ALICE** Collaboration, B. Abelev *et al.*, “Measurement of the Cross Section for Electromagnetic Dissociation with Neutron Emission in Pb-Pb Collisions at  $\sqrt{s_{NN}} = 2.76$  TeV,” *Phys. Rev. Lett.* **109** (2012) 252302, [arXiv:1203.2436 \[nucl-ex\]](#).
- [335] **ALICE** Collaboration, B. Abelev *et al.*, “Inclusive  $J/\psi$  production in pp collisions at  $\sqrt{s} = 2.76$  TeV,” *Phys. Lett. B* **718** (2012) 295–306, [arXiv:1203.3641 \[hep-ex\]](#). [Erratum: *Phys.Lett.B* 748, 472–473 (2015)].
- [336] **ALICE** Collaboration, B. Abelev *et al.*, “ $J/\psi$  suppression at forward rapidity in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV,” *Phys. Rev. Lett.* **109** (2012) 072301, [arXiv:1202.1383 \[hep-ex\]](#).
- [337] **ALICE** Collaboration, B. Abelev *et al.*, “ $J/\psi$  Production as a Function of Charged Particle Multiplicity in pp Collisions at  $\sqrt{s} = 7$  TeV,” *Phys. Lett. B* **712** (2012) 165–175, [arXiv:1202.2816 \[hep-ex\]](#).
- [338] **ALICE** Collaboration, B. Abelev *et al.*, “Measurement of charm production at central rapidity in proton-proton collisions at  $\sqrt{s} = 7$  TeV,” *JHEP* **01** (2012) 128, [arXiv:1111.1553 \[hep-ex\]](#).

- [339] **ALICE** Collaboration, B. Abelev *et al.*, “Measurement of Event Background Fluctuations for Charged Particle Jet Reconstruction in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV,” *JHEP* **03** (2012) 053, [arXiv:1201.2423 \[hep-ex\]](#).
- [340] **ALICE** Collaboration, B. Abelev *et al.*, “Heavy flavour decay muon production at forward rapidity in proton–proton collisions at  $\sqrt{s} = 7$  TeV,” *Phys. Lett. B* **708** (2012) 265–275, [arXiv:1201.3791 \[hep-ex\]](#).
- [341] **ALICE** Collaboration, B. Abelev *et al.*, “Upgrade of the ALICE Experiment: Letter Of Intent,” *J. Phys. G* **41** (2014) 087001.
- [342] **ALICE** Collaboration, B. Abelev *et al.*, “Underlying Event measurements in  $pp$  collisions at  $\sqrt{s} = 0.9$  and 7 TeV with the ALICE experiment at the LHC,” *JHEP* **07** (2012) 116, [arXiv:1112.2082 \[hep-ex\]](#).
- [343] **ALICE** Collaboration, B. Abelev *et al.*, “Light vector meson production in  $pp$  collisions at  $\sqrt{s} = 7$  TeV,” *Phys. Lett. B* **710** (2012) 557–568, [arXiv:1112.2222 \[nucl-ex\]](#).
- [344] **ALICE** Collaboration, B. Abelev *et al.*, “ $J/\psi$  polarization in  $pp$  collisions at  $\sqrt{s} = 7$  TeV,” *Phys. Rev. Lett.* **108** (2012) 082001, [arXiv:1111.1630 \[hep-ex\]](#).
- [345] **ALICE** Collaboration, K. Aamodt *et al.*, “Particle-yield modification in jet-like azimuthal di-hadron correlations in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV,” *Phys. Rev. Lett.* **108** (2012) 092301, [arXiv:1110.0121 \[nucl-ex\]](#).
- [346] **ALICE** Collaboration, K. Aamodt *et al.*, “Harmonic decomposition of two-particle angular correlations in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV,” *Phys. Lett. B* **708** (2012) 249–264, [arXiv:1109.2501 \[nucl-ex\]](#).
- [347] **ALICE** Collaboration, K. Aamodt *et al.*, “Rapidity and transverse momentum dependence of inclusive  $J/\psi$  production in  $pp$  collisions at  $\sqrt{s} = 7$  TeV,” *Phys. Lett. B* **704** (2011) 442–455, [arXiv:1105.0380 \[hep-ex\]](#). [Erratum: *Phys.Lett.B* 718, 692–698 (2012)].
- [348] **ALICE** Collaboration, K. Aamodt *et al.*, “Higher harmonic anisotropic flow measurements of charged particles in Pb-Pb collisions at  $\sqrt{s_{NN}}=2.76$  TeV,” *Phys. Rev. Lett.* **107** (2011) 032301, [arXiv:1105.3865 \[nucl-ex\]](#).
- [349] **ALICE** Collaboration, K. Aamodt *et al.*, “Two-pion Bose-Einstein correlations in central Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV,” *Phys. Lett. B* **696** (2011) 328–337, [arXiv:1012.4035 \[nucl-ex\]](#).
- [350] **ALICE** Collaboration, K. Aamodt *et al.*, “Femtoscopy of  $pp$  collisions at  $\sqrt{s} = 0.9$  and 7 TeV at the LHC with two-pion Bose-Einstein correlations,” *Phys. Rev. D* **84** (2011) 112004, [arXiv:1101.3665 \[hep-ex\]](#).
- [351] **ALICE** Collaboration, K. Aamodt *et al.*, “Production of pions, kaons and protons in  $pp$  collisions at  $\sqrt{s} = 900$  GeV with ALICE at the LHC,” *Eur. Phys. J. C* **71** (2011) 1655, [arXiv:1101.4110 \[hep-ex\]](#).
- [352] **ALICE** Collaboration, K. Aamodt *et al.*, “Suppression of Charged Particle Production at Large Transverse Momentum in Central Pb-Pb Collisions at  $\sqrt{s_{NN}} = 2.76$  TeV,” *Phys. Lett. B* **696** (2011) 30–39, [arXiv:1012.1004 \[nucl-ex\]](#).

- [353] **ALICE** Collaboration, K. Aamodt *et al.*, “Centrality dependence of the charged-particle multiplicity density at mid-rapidity in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV,” *Phys. Rev. Lett.* **106** (2011) 032301, [arXiv:1012.1657 \[nucl-ex\]](#).
- [354] **ALICE** Collaboration, K. Aamodt *et al.*, “Strange particle production in proton-proton collisions at  $\text{sqrt}(s) = 0.9$  TeV with ALICE at the LHC,” *Eur. Phys. J. C* **71** (2011) 1594, [arXiv:1012.3257 \[hep-ex\]](#).
- [355] **ALICE** Collaboration, K. Aamodt *et al.*, “Charged-particle multiplicity density at mid-rapidity in central Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV,” *Phys. Rev. Lett.* **105** (2010) 252301, [arXiv:1011.3916 \[nucl-ex\]](#).
- [356] **ALICE** Collaboration, K. Aamodt *et al.*, “Elliptic flow of charged particles in Pb-Pb collisions at 2.76 TeV,” *Phys. Rev. Lett.* **105** (2010) 252302, [arXiv:1011.3914 \[nucl-ex\]](#).
- [357] **ALICE** Collaboration, K. Aamodt *et al.*, “Two-pion Bose-Einstein correlations in  $pp$  collisions at  $\sqrt{s} = 900$  GeV,” *Phys. Rev. D* **82** (2010) 052001, [arXiv:1007.0516 \[hep-ex\]](#).
- [358] **ALICE** Collaboration, K. Aamodt *et al.*, “Transverse momentum spectra of charged particles in proton-proton collisions at  $\sqrt{s} = 900$  GeV with ALICE at the LHC,” *Phys. Lett. B* **693** (2010) 53–68, [arXiv:1007.0719 \[hep-ex\]](#).
- [359] **ALICE** Collaboration, K. Aamodt *et al.*, “Midrapidity antiproton-to-proton ratio in  $pp$  collisions at  $\sqrt{s} = 0.9$  and 7 TeV measured by the ALICE experiment,” *Phys. Rev. Lett.* **105** (2010) 072002, [arXiv:1006.5432 \[hep-ex\]](#).
- [360] **ALICE** Collaboration, K. Aamodt *et al.*, “Charged-particle multiplicity measurement in proton-proton collisions at  $\sqrt{s} = 0.9$  and 2.36 TeV with ALICE at LHC,” *Eur. Phys. J. C* **68** (2010) 89–108, [arXiv:1004.3034 \[hep-ex\]](#).
- [361] **ALICE** Collaboration, K. Aamodt *et al.*, “Alignment of the ALICE Inner Tracking System with cosmic-ray tracks,” *JINST* **5** (2010) P03003, [arXiv:1001.0502 \[physics.ins-det\]](#).
- [362] **ALICE** Collaboration, K. Aamodt *et al.*, “Charged-particle multiplicity measurement in proton-proton collisions at  $\sqrt{s} = 7$  TeV with ALICE at LHC,” *Eur. Phys. J. C* **68** (2010) 345–354, [arXiv:1004.3514 \[hep-ex\]](#).
- [363] **ALICE** Collaboration, K. Aamodt *et al.*, “First proton-proton collisions at the LHC as observed with the ALICE detector: Measurement of the charged particle pseudorapidity density at  $s^{**}(1/2) = 900$ -GeV,” *Eur. Phys. J. C* **65** (2010) 111–125, [arXiv:0911.5430 \[hep-ex\]](#).
- [364] **PHENIX** Collaboration, U. Acharya *et al.*, “Production of  $\pi^0$  and  $\eta$  mesons in  $U+U$  collisions at  $\sqrt{s_{NN}} = 192$  GeV,” *Phys. Rev. C* **102** no. 6, (2020) 064905, [arXiv:2005.14686 \[hep-ex\]](#).
- [365] **PHENIX** Collaboration, U. Acharya *et al.*, “Production of  $b\bar{b}$  at forward rapidity in  $p+p$  collisions at  $\sqrt{s} = 510$  GeV,” *Phys. Rev. D* **102** no. 9, (2020) 092002, [arXiv:2005.14276 \[hep-ex\]](#).
- [366] **PHENIX** Collaboration, U. Acharya *et al.*, “Polarization and cross section of midrapidity  $J/\psi$  production in  $p+p$  collisions at  $\sqrt{s} = 510$  GeV,” *Phys. Rev. D* **102** no. 7, (2020) 072008, [arXiv:2005.14273 \[hep-ex\]](#).

- [367] **PHENIX** Collaboration, U. Acharya *et al.*, “Measurement of jet-medium interactions via direct photon-hadron correlations in Au+Au and  $d$ +Au collisions at  $\sqrt{s_{NN}} = 200$  GeV,” *Phys. Rev. C* **102** no. 5, (2020) 054910, [arXiv:2005.14270 \[hep-ex\]](#).
- [368] **PHENIX** Collaboration, U. A. Acharya *et al.*, “Measurement of charged pion double spin asymmetries at midrapidity in longitudinally polarized  $p + p$  collisions at  $\sqrt{s} = 510$  GeV,” *Phys. Rev. D* **102** no. 3, (2020) 032001, [arXiv:2004.02681 \[hep-ex\]](#).
- [369] **PHENIX** Collaboration, U. A. Acharya *et al.*, “ $J/\psi$  and  $\psi(2S)$  production at forward rapidity in  $p+p$  collisions at  $\sqrt{s} = 510$  GeV,” *Phys. Rev. D* **101** no. 5, (2020) 052006, [arXiv:1912.13424 \[hep-ex\]](#).
- [370] **PHENIX** Collaboration, U. Acharya *et al.*, “Measurement of  $J/\psi$  at forward and backward rapidity in  $p+p$ ,  $p+Al$ ,  $p+Au$ , and  $^3He+Au$  collisions at  $\sqrt{s_{NN}} = 200$  GeV,” *Phys. Rev. C* **102** no. 1, (2020) 014902, [arXiv:1910.14487 \[hep-ex\]](#).
- [371] **PHENIX** Collaboration, A. Adare *et al.*, “Pseudorapidity Dependence of Particle Production and Elliptic Flow in Asymmetric Nuclear Collisions of  $p+Al$ ,  $p+Au$ ,  $d+Au$ , and  $^3He+Au$  at  $\sqrt{s_{NN}} = 200$  GeV,” *Phys. Rev. Lett.* **121** no. 22, (2018) 222301, [arXiv:1807.11928 \[nucl-ex\]](#).
- [372] **PHENIX** Collaboration, C. Aidala *et al.*, “Production of  $\pi^0$  and  $\eta$  mesons in Cu+Au collisions at  $\sqrt{s_{NN}}=200$  GeV,” *Phys. Rev. C* **98** no. 5, (2018) 054903, [arXiv:1805.04389 \[hep-ex\]](#).
- [373] **PHENIX** Collaboration, A. Adare *et al.*, “Beam Energy and Centrality Dependence of Direct-Photon Emission from Ultrarelativistic Heavy-Ion Collisions,” *Phys. Rev. Lett.* **123** no. 2, (2019) 022301, [arXiv:1805.04084 \[hep-ex\]](#).
- [374] **PHENIX** Collaboration, A. Adare *et al.*, “Low-momentum direct photon measurement in Cu+Cu collisions at  $\sqrt{s_{NN}} = 200$  GeV,” *Phys. Rev. C* **98** no. 5, (2018) 054902, [arXiv:1805.04066 \[hep-ex\]](#).
- [375] **PHENIX** Collaboration, C. Aidala *et al.*, “Creation of quark-gluon plasma droplets with three distinct geometries,” *Nature Phys.* **15** no. 3, (2019) 214–220, [arXiv:1805.02973 \[nucl-ex\]](#).
- [376] **PHENIX** Collaboration, A. Adare *et al.*, “Multiparticle azimuthal correlations for extracting event-by-event elliptic and triangular flow in Au+Au collisions at  $\sqrt{s_{NN}} = 200$  GeV,” *Phys. Rev. C* **99** no. 2, (2019) 024903, [arXiv:1804.10024 \[nucl-ex\]](#).
- [377] **PHENIX** Collaboration, A. Adare *et al.*, “Cross section and longitudinal single-spin asymmetry  $A_L$  for forward  $W^\pm \rightarrow \mu^\pm \nu$  production in polarized  $p+p$  collisions at  $\sqrt{s} = 510$  GeV,” *Phys. Rev. D* **98** no. 3, (2018) 032007, [arXiv:1804.04181 \[hep-ex\]](#).
- [378] **PHENIX** Collaboration, A. Adare *et al.*, “Measurement of two-particle correlations with respect to second- and third-order event planes in Au+Au collisions at  $\sqrt{s_{NN}} = 200$  GeV,” *Phys. Rev. C* **99** no. 5, (2019) 054903, [arXiv:1803.01749 \[hep-ex\]](#).
- [379] **PHENIX** Collaboration, A. Adare *et al.*, “Measurement of emission angle anisotropy via long-range angular correlations with high  $p_T$  hadrons in  $d+Au$  and  $p+p$  collisions at  $\sqrt{s_{NN}} = 200$  GeV,” *Phys. Rev. C* **98** no. 1, (2018) 014912, [arXiv:1711.09003 \[hep-ex\]](#).

- [380] **PHENIX** Collaboration, A. Adare *et al.*, “Measurements of mass-dependent azimuthal anisotropy in central  $p+\text{Au}$ ,  $d+\text{Au}$ , and  ${}^3\text{He}+\text{Au}$  collisions at  $\sqrt{s_{NN}} = 200 \text{ GeV}$ ,” *Phys. Rev. C* **97** (2018) 064904, [arXiv:1710.09736 \[nucl-ex\]](#).
- [381] **PHENIX** Collaboration, A. Adare *et al.*, “Measurement of  $\phi$ -meson production at forward rapidity in  $p + p$  collisions at  $\sqrt{s} = 510 \text{ GeV}$  and its energy dependence from  $\sqrt{s} = 200 \text{ GeV}$  to 7 TeV,” *Phys. Rev. D* **98** no. 9, (2018) 092006, [arXiv:1710.01656 \[hep-ex\]](#).
- [382] **PHENIX** Collaboration, A. Adare *et al.*, “Lévy-stable two-pion Bose-Einstein correlations in  $\sqrt{s_{NN}} = 200 \text{ GeV}$   $\text{Au}+\text{Au}$  collisions,” *Phys. Rev. C* **97** no. 6, (2018) 064911, [arXiv:1709.05649 \[nucl-ex\]](#).
- [383] **PHENIX** Collaboration, C. Aidala *et al.*, “Measurements of azimuthal anisotropy and charged-particle multiplicity in  $d+\text{Au}$  collisions at  $\sqrt{s_{NN}} = 200, 62.4, 39,$  and  $19.6 \text{ GeV}$ ,” *Phys. Rev. C* **96** no. 6, (2017) 064905, [arXiv:1708.06983 \[nucl-ex\]](#).
- [384] **PHENIX** Collaboration, C. Aidala *et al.*, “Measurements of Multiparticle Correlations in  $d + \text{Au}$  Collisions at 200, 62.4, 39, and 19.6 GeV and  $p + \text{Au}$  Collisions at 200 GeV and Implications for Collective Behavior,” *Phys. Rev. Lett.* **120** no. 6, (2018) 062302, [arXiv:1707.06108 \[nucl-ex\]](#).
- [385] **PHENIX** Collaboration, C. Aidala *et al.*, “Nuclear Dependence of the Transverse-Single-Spin Asymmetry for Forward Neutron Production in Polarized  $p + A$  Collisions at  $\sqrt{s_{NN}} = 200 \text{ GeV}$ ,” *Phys. Rev. Lett.* **120** no. 2, (2018) 022001, [arXiv:1703.10941 \[hep-ex\]](#).
- [386] **PHENIX** Collaboration, C. Aidala *et al.*, “Cross section and transverse single-spin asymmetry of muons from open heavy-flavor decays in polarized  $p+p$  collisions at  $\sqrt{s} = 200 \text{ GeV}$ ,” *Phys. Rev. D* **95** no. 11, (2017) 112001, [arXiv:1703.09333 \[hep-ex\]](#).
- [387] **PHENIX** Collaboration, C. Aidala *et al.*, “ $B$ -meson production at forward and backward rapidity in  $p + p$  and  $\text{Cu} + \text{Au}$  collisions at  $\sqrt{s_{NN}} = 200 \text{ GeV}$ ,” *Phys. Rev. C* **96** no. 6, (2017) 064901, [arXiv:1702.01085 \[nucl-ex\]](#).
- [388] **PHENIX** Collaboration, A. Adare *et al.*, “Measurements of  $e^+e^-$  pairs from open heavy flavor in  $p+p$  and  $d+A$  collisions at  $\sqrt{s_{NN}} = 200 \text{ GeV}$ ,” *Phys. Rev. C* **96** no. 2, (2017) 024907, [arXiv:1702.01084 \[nucl-ex\]](#).
- [389] **PHENIX** Collaboration, C. Aidala *et al.*, “Measurements of  $B \rightarrow J/\psi$  at forward rapidity in  $p+p$  collisions at  $\sqrt{s} = 510 \text{ GeV}$ ,” *Phys. Rev. D* **95** no. 9, (2017) 092002, [arXiv:1701.01342 \[hep-ex\]](#).
- [390] **PHENIX** Collaboration, A. Adare *et al.*, “Angular decay coefficients of  $J/\psi$  mesons at forward rapidity from  $p + p$  collisions at  $\sqrt{s} = 510 \text{ GeV}$ ,” *Phys. Rev. D* **95** (2017) 092003, [arXiv:1612.06807 \[hep-ex\]](#).
- [391] **PHENIX** Collaboration, A. Adare *et al.*, “Measurement of the relative yields of  $\psi(2S)$  to  $\psi(1S)$  mesons produced at forward and backward rapidity in  $p + p$ ,  $p + \text{Al}$ ,  $p + \text{Au}$ , and  ${}^3\text{He} + \text{Au}$  collisions at  $\sqrt{s_{NN}} = 200 \text{ GeV}$ ,” *Phys. Rev. C* **95** no. 3, (2017) 034904, [arXiv:1609.06550 \[nucl-ex\]](#).

- [392] **PHENIX** Collaboration, A. Adare *et al.*, “Nonperturbative-transverse-momentum effects and evolution in dihadron and direct photon-hadron angular correlations in  $p + p$  collisions at  $\sqrt{s}=510$  GeV,” *Phys. Rev. D* **95** no. 7, (2017) 072002, [arXiv:1609.04769 \[hep-ex\]](#).
- [393] **PHENIX** Collaboration, C. Aidala *et al.*, “Measurement of long-range angular correlations and azimuthal anisotropies in high-multiplicity  $p+\text{Au}$  collisions at  $\sqrt{s_{NN}} = 200$  GeV,” *Phys. Rev. C* **95** no. 3, (2017) 034910, [arXiv:1609.02894 \[nucl-ex\]](#).
- [394] **PHENIX** Collaboration, A. Adare *et al.*, “Measurements of double-helicity asymmetries in inclusive  $J/\psi$  production in longitudinally polarized  $p + p$  collisions at  $\sqrt{s} = 510$  GeV,” *Phys. Rev. D* **94** no. 11, (2016) 112008, [arXiv:1606.01815 \[hep-ex\]](#).
- [395] **PHENIX** Collaboration, A. Adare *et al.*, “Inclusive cross section and double-helicity asymmetry for  $\pi^0$  production at midrapidity in  $p + p$  collisions at  $\sqrt{s} = 510$  GeV,” *Phys. Rev. D* **93** no. 1, (2016) 011501, [arXiv:1510.02317 \[hep-ex\]](#).
- [396] **PHENIX** Collaboration, A. Adare *et al.*, “Measurements of directed, elliptic, and triangular flow in Cu+Au collisions at  $\sqrt{s_{NN}} = 200$  GeV,” *Phys. Rev. C* **94** no. 5, (2016) 054910, [arXiv:1509.07784 \[nucl-ex\]](#).
- [397] **PHENIX** Collaboration, A. Adare *et al.*, “Azimuthally anisotropic emission of low-momentum direct photons in Au+Au collisions at  $\sqrt{s_{NN}} = 200$  GeV,” *Phys. Rev. C* **94** no. 6, (2016) 064901, [arXiv:1509.07758 \[nucl-ex\]](#).
- [398] **PHENIX** Collaboration, A. Adare *et al.*, “Scaling properties of fractional momentum loss of high- $p_T$  hadrons in nucleus-nucleus collisions at  $\sqrt{s_{NN}}$  from 62.4 GeV to 2.76 TeV,” *Phys. Rev. C* **93** no. 2, (2016) 024911, [arXiv:1509.06735 \[nucl-ex\]](#).
- [399] **PHENIX** Collaboration, A. Adare *et al.*, “Transverse energy production and charged-particle multiplicity at midrapidity in various systems from  $\sqrt{s_{NN}} = 7.7$  to 200 GeV,” *Phys. Rev. C* **93** no. 2, (2016) 024901, [arXiv:1509.06727 \[nucl-ex\]](#).
- [400] **PHENIX** Collaboration, A. Adare *et al.*, “ $\phi$  meson production in the forward/backward rapidity region in Cu+Au collisions at  $\sqrt{s_{NN}} = 200$  GeV,” *Phys. Rev. C* **93** no. 2, (2016) 024904, [arXiv:1509.06337 \[nucl-ex\]](#).
- [401] **PHENIX** Collaboration, A. Adare *et al.*, “Forward  $J/\psi$  production in U+U collisions at  $\sqrt{s_{NN}}=193$  GeV,” *Phys. Rev. C* **93** no. 3, (2016) 034903, [arXiv:1509.05380 \[nucl-ex\]](#).
- [402] **PHENIX** Collaboration, A. Adare *et al.*, “Centrality-dependent modification of jet-production rates in deuteron-gold collisions at  $\sqrt{s_{NN}}=200$  GeV,” *Phys. Rev. Lett.* **116** no. 12, (2016) 122301, [arXiv:1509.04657 \[nucl-ex\]](#).
- [403] **PHENIX** Collaboration, A. Adare *et al.*, “Single electron yields from semileptonic charm and bottom hadron decays in Au+Au collisions at  $\sqrt{s_{NN}} = 200$  GeV,” *Phys. Rev. C* **93** no. 3, (2016) 034904, [arXiv:1509.04662 \[nucl-ex\]](#).
- [404] **PHENIX** Collaboration, A. Adare *et al.*, “Dielectron production in Au+Au collisions at  $\sqrt{s_{NN}}=200$  GeV,” *Phys. Rev. C* **93** no. 1, (2016) 014904, [arXiv:1509.04667 \[nucl-ex\]](#).
- [405] **PHENIX** Collaboration, A. Adare *et al.*, “Measurements of elliptic and triangular flow in high-multiplicity  ${}^3\text{He}+\text{Au}$  collisions at  $\sqrt{s_{NN}} = 200$  GeV,” *Phys. Rev. Lett.* **115** no. 14, (2015) 142301, [arXiv:1507.06273 \[nucl-ex\]](#).

- [406] **PHENIX** Collaboration, A. Adare *et al.*, “ $\phi$  meson production in  $d+\text{Au}$  collisions at  $\sqrt{s_{NN}} = 200 \text{ GeV}$ ,” *Phys. Rev. C* **92** no. 4, (2015) 044909, [arXiv:1506.08181 \[nucl-ex\]](#).
- [407] **PHENIX** Collaboration, A. Adare *et al.*, “Measurement of higher cumulants of net-charge multiplicity distributions in  $\text{Au}+\text{Au}$  collisions at  $\sqrt{s_{NN}} = 7.7 - 200 \text{ GeV}$ ,” *Phys. Rev. C* **93** no. 1, (2016) 011901, [arXiv:1506.07834 \[nucl-ex\]](#).
- [408] **PHENIX** Collaboration, A. Adare *et al.*, “Measurement of parity-violating spin asymmetries in  $W^\pm$  production at midrapidity in longitudinally polarized  $p + p$  collisions,” *Phys. Rev. D* **93** no. 5, (2016) 051103, [arXiv:1504.07451 \[hep-ex\]](#).
- [409] **PHENIX** Collaboration, A. Adare *et al.*, “Systematic study of charged-pion and kaon femtoscopy in  $\text{Au} + \text{Au}$  collisions at  $\sqrt{s_{NN}} = 200 \text{ GeV}$ ,” *Phys. Rev. C* **92** no. 3, (2015) 034914, [arXiv:1504.05168 \[nucl-ex\]](#).
- [410] **PHENIX** Collaboration, A. Adare *et al.*, “An Upgrade Proposal from the PHENIX Collaboration,” [arXiv:1501.06197 \[nucl-ex\]](#).
- [411] **PHENIX** Collaboration, A. Adare *et al.*, “Systematic Study of Azimuthal Anisotropy in  $\text{Cu}+\text{Cu}$  and  $\text{Au}+\text{Au}$  Collisions at  $\sqrt{s_{NN}} = 62.4$  and  $200 \text{ GeV}$ ,” *Phys. Rev. C* **92** no. 3, (2015) 034913, [arXiv:1412.1043 \[nucl-ex\]](#).
- [412] **PHENIX** Collaboration, A. Adare *et al.*, “Measurement of the higher-order anisotropic flow coefficients for identified hadrons in  $\text{Au}+\text{Au}$  collisions at  $\sqrt{s_{NN}} = 200 \text{ GeV}$ ,” *Phys. Rev. C* **93** no. 5, (2016) 051902, [arXiv:1412.1038 \[nucl-ex\]](#).
- [413] **PHENIX** Collaboration, A. Adare *et al.*, “Beam-energy and system-size dependence of the space-time extent of the pion emission source produced in heavy ion collisions,” [arXiv:1410.2559 \[nucl-ex\]](#).
- [414] **PHENIX** Collaboration, A. Adare *et al.*, “Charged-pion cross sections and double-helicity asymmetries in polarized  $p+p$  collisions at  $\sqrt{s}=200 \text{ GeV}$ ,” *Phys. Rev. D* **91** no. 3, (2015) 032001, [arXiv:1409.1907 \[hep-ex\]](#).
- [415] **PHENIX** Collaboration, A. Adare *et al.*, “Search for dark photons from neutral meson decays in  $p + p$  and  $d + \text{Au}$  collisions at  $\sqrt{s_{NN}} = 200 \text{ GeV}$ ,” *Phys. Rev. C* **91** no. 3, (2015) 031901, [arXiv:1409.0851 \[nucl-ex\]](#).
- [416] **PHENIX** Collaboration, A. Adare *et al.*, “Cross section and transverse single-spin asymmetry of  $\eta$  mesons in  $p^\uparrow + p$  collisions at  $\sqrt{s} = 200 \text{ GeV}$  at forward rapidity,” *Phys. Rev. D* **90** no. 7, (2014) 072008, [arXiv:1406.3541 \[hep-ex\]](#).
- [417] **PHENIX** Collaboration, A. Adare *et al.*, “Low-mass vector-meson production at forward rapidity in  $p + p$  collisions at  $\sqrt{s} = 200 \text{ GeV}$ ,” *Phys. Rev. D* **90** no. 5, (2014) 052002, [arXiv:1405.4260 \[hep-ex\]](#).
- [418] **PHENIX** Collaboration, A. Adare *et al.*, “Cross section for  $b\bar{b}$  production via dielectrons in  $d+\text{Au}$  collisions at  $\sqrt{s_{NN}} = 200 \text{ GeV}$ ,” *Phys. Rev. C* **91** no. 1, (2015) 014907, [arXiv:1405.4004 \[nucl-ex\]](#).
- [419] **PHENIX** Collaboration, A. Adare *et al.*, “Centrality dependence of low-momentum direct-photon production in  $\text{Au}+\text{Au}$  collisions at  $\sqrt{s_{NN}} = 200 \text{ GeV}$ ,” *Phys. Rev. C* **91** no. 6, (2015) 064904, [arXiv:1405.3940 \[nucl-ex\]](#).

- [420] **PHENIX** Collaboration, A. Adare *et al.*, “Measurement of  $K_S^0$  and  $K^{*0}$  in  $p + p$ ,  $d + Au$ , and  $Cu + Cu$  collisions at  $\sqrt{s_{NN}} = 200$  GeV,” *Phys. Rev. C* **90** no. 5, (2014) 054905, [arXiv:1405.3628 \[nucl-ex\]](#).
- [421] **PHENIX** Collaboration, A. Adare *et al.*, “Heavy-quark production and elliptic flow in  $Au+Au$  collisions at  $\sqrt{s_{NN}} = 62.4$  GeV,” *Phys. Rev. C* **91** no. 4, (2015) 044907, [arXiv:1405.3301 \[nucl-ex\]](#).
- [422] **PHENIX** Collaboration, A. Adare *et al.*, “Measurement of long-range angular correlation and quadrupole anisotropy of pions and (anti)protons in central  $d+Au$  collisions at  $\sqrt{s_{NN}}=200$  GeV,” *Phys. Rev. Lett.* **114** no. 19, (2015) 192301, [arXiv:1404.7461 \[nucl-ex\]](#).
- [423] **PHENIX** Collaboration, N. N. Ajitanand *et al.*, “Comparison of the space-time extent of the emission source in  $d+Au$  and  $Au+Au$  collisions at  $\sqrt{s_{NN}} = 200$  GeV,” *Nucl. Phys. A* **931** (2014) 1082–1087, [arXiv:1404.5291 \[nucl-ex\]](#).
- [424] **PHENIX** Collaboration, A. Adare *et al.*, “Measurement of  $\Upsilon(1S + 2S + 3S)$  production in  $p + p$  and  $Au+Au$  collisions at  $\sqrt{s_{NN}} = 200$  GeV,” *Phys. Rev. C* **91** no. 2, (2015) 024913, [arXiv:1404.2246 \[nucl-ex\]](#).
- [425] **PHENIX** Collaboration, C. Aidala *et al.*, “Nuclear matter effects on  $J/\psi$  production in asymmetric  $Cu+Au$  collisions at  $\sqrt{s_{NN}} = 200$  GeV,” *Phys. Rev. C* **90** no. 6, (2014) 064908, [arXiv:1404.1873 \[nucl-ex\]](#).
- [426] **PHENIX** Collaboration, A. Adare *et al.*, “Inclusive double-helicity asymmetries in neutral-pion and eta-meson production in  $\vec{p} + \vec{p}$  collisions at  $\sqrt{s} = 200$  GeV,” *Phys. Rev. D* **90** no. 1, (2014) 012007, [arXiv:1402.6296 \[hep-ex\]](#).
- [427] **PHENIX** Collaboration, A. Adare *et al.*, “Concept for an Electron Ion Collider (EIC) detector built around the BaBar solenoid,” [arXiv:1402.1209 \[nucl-ex\]](#).
- [428] **PHENIX** Collaboration, A. Adare *et al.*, “Azimuthal-angle dependence of charged-pion-interferometry measurements with respect to second- and third-order event planes in  $Au+Au$  collisions at  $\sqrt{s_{NN}} = 200$  GeV,” *Phys. Rev. Lett.* **112** no. 22, (2014) 222301, [arXiv:1401.7680 \[nucl-ex\]](#).
- [429] **PHENIX** Collaboration, S. S. Adler *et al.*, “Transverse-energy distributions at midrapidity in  $p+p$  ,  $d+Au$  , and  $Au+Au$  collisions at  $\sqrt{s_{NN}} = 62.4\text{--}200$  GeV and implications for particle-production models,” *Phys. Rev. C* **89** no. 4, (2014) 044905, [arXiv:1312.6676 \[nucl-ex\]](#).
- [430] **PHENIX** Collaboration, A. Adare *et al.*, “Measurement of transverse-single-spin asymmetries for midrapidity and forward-rapidity production of hadrons in polarized  $p+p$  collisions at  $\sqrt{s}=200$  and 62.4 GeV,” *Phys. Rev. D* **90** no. 1, (2014) 012006, [arXiv:1312.1995 \[hep-ex\]](#).
- [431] **PHENIX** Collaboration, A. Adare *et al.*, “Heavy-flavor electron-muon correlations in  $p + p$  and  $d+Au$  collisions at  $\sqrt{s_{NN}} = 200$  GeV,” *Phys. Rev. C* **89** no. 3, (2014) 034915, [arXiv:1311.1427 \[nucl-ex\]](#).
- [432] **PHENIX** Collaboration, A. Adare *et al.*, “System-size dependence of open-heavy-flavor production in nucleus-nucleus collisions at  $\sqrt{s_{NN}}=200$  GeV,” *Phys. Rev. C* **90** no. 3, (2014) 034903, [arXiv:1310.8286 \[nucl-ex\]](#).

- [433] **PHENIX** Collaboration, A. Adare *et al.*, “Centrality categorization for  $R_{p(d)+A}$  in high-energy collisions,” *Phys. Rev. C* **90** no. 3, (2014) 034902, [arXiv:1310.4793 \[nucl-ex\]](#).
- [434] **PHENIX** Collaboration, A. Adare *et al.*, “Cold-Nuclear-Matter Effects on Heavy-Quark Production at Forward and Backward Rapidity in d+Au Collisions at  $\sqrt{s_{NN}} = 200$  GeV,” *Phys. Rev. Lett.* **112** no. 25, (2014) 252301, [arXiv:1310.1005 \[nucl-ex\]](#).
- [435] **PHENIX** Collaboration, A. Adare *et al.*, “Azimuthal anisotropy of  $\pi^0$  and  $\eta$  mesons in Au + Au collisions at  $\sqrt{s_{NN}} = 200$  GeV,” *Phys. Rev. C* **88** no. 6, (2013) 064910, [arXiv:1309.4437 \[nucl-ex\]](#).
- [436] **PHENIX** Collaboration, A. Adare *et al.*, “Nuclear Modification of  $\chi_c$  and  $J/\psi$  Production in d+Au Collisions at  $\sqrt{s_{NN}}=200$  GeV,” *Phys. Rev. Lett.* **111** no. 20, (2013) 202301, [arXiv:1305.5516 \[nucl-ex\]](#).
- [437] **PHENIX** Collaboration, A. Adare *et al.*, “Spectra and ratios of identified particles in Au+Au and d+Au collisions at  $\sqrt{s_{NN}} = 200$  GeV,” *Phys. Rev. C* **88** no. 2, (2013) 024906, [arXiv:1304.3410 \[nucl-ex\]](#).
- [438] **PHENIX** Collaboration, A. Adare *et al.*, “Quadrupole Anisotropy in Dihadron Azimuthal Correlations in Central d+Au Collisions at  $\sqrt{s_{NN}}=200$  GeV,” *Phys. Rev. Lett.* **111** no. 21, (2013) 212301, [arXiv:1303.1794 \[nucl-ex\]](#).
- [439] **PHENIX** Collaboration, A. Adare *et al.*, “Medium modification of jet fragmentation in Au + Au collisions at  $\sqrt{s_{NN}} = 200$  GeV measured in direct photon-hadron correlations,” *Phys. Rev. Lett.* **111** no. 3, (2013) 032301, [arXiv:1212.3323 \[nucl-ex\]](#).
- [440] **PHENIX** Collaboration, A. Adare *et al.*, “ $v(1S + 2S + 3S)$  production in d+Au and  $p + p$  collisions at  $\sqrt{s_{NN}} = 200$  GeV and cold-nuclear matter effects,” *Phys. Rev. C* **87** no. 4, (2013) 044909, [arXiv:1211.4017 \[nucl-ex\]](#).
- [441] **PHENIX** Collaboration, A. Adare *et al.*, “Double Spin Asymmetry of Electrons from Heavy Flavor Decays in  $p + p$  Collisions at  $\sqrt{s} = 200$  GeV,” *Phys. Rev. D* **87** no. 1, (2013) 012011, [arXiv:1209.3278 \[hep-ex\]](#).
- [442] **PHENIX** Collaboration, A. Adare *et al.*, “Inclusive cross section and single transverse spin asymmetry for very forward neutron production in polarized p+p collisions at s=200 GeV,” *Phys. Rev. D* **88** no. 3, (2013) 032006, [arXiv:1209.3283 \[nucl-ex\]](#).
- [443] **PHENIX** Collaboration, A. Adare *et al.*, “Cold-nuclear-matter effects on heavy-quark production in d+Au collisions at  $\sqrt{s_{NN}} = 200$  GeV,” *Phys. Rev. Lett.* **109** no. 24, (2012) 242301, [arXiv:1208.1293 \[nucl-ex\]](#).
- [444] **PHENIX** Collaboration, A. Adare *et al.*, “ $J/\psi$  suppression at forward rapidity in Au+Au collisions at  $\sqrt{s_{NN}} = 39$  and 62.4 GeV,” *Phys. Rev. C* **86** (2012) 064901, [arXiv:1208.2251 \[nucl-ex\]](#).
- [445] **PHENIX** Collaboration, A. Adare *et al.*, “Neutral pion production with respect to centrality and reaction plane in Au+Au collisions at  $\sqrt{s_{NN}}=200$  GeV,” *Phys. Rev. C* **87** no. 3, (2013) 034911, [arXiv:1208.2254 \[nucl-ex\]](#).
- [446] **PHENIX** Collaboration, A. Adare *et al.*, “Direct photon production in d+Au collisions at  $\sqrt{s_{NN}} = 200$  GeV,” *Phys. Rev. C* **87** (2013) 054907, [arXiv:1208.1234 \[nucl-ex\]](#).

- [447] **PHENIX** Collaboration, A. Adare *et al.*, “Direct-Photon Production in  $p + p$  Collisions at  $\sqrt{s} = 200$  GeV at Midrapidity,” *Phys. Rev. D* **86** (2012) 072008, [arXiv:1205.5533 \[hep-ex\]](#).
- [448] **PHENIX** Collaboration, S. Afanasiev *et al.*, “Measurement of Direct Photons in Au+Au Collisions at  $\sqrt{s_{NN}} = 200$  GeV,” *Phys. Rev. Lett.* **109** (2012) 152302, [arXiv:1205.5759 \[nucl-ex\]](#).
- [449] **PHENIX** Collaboration, A. Adare *et al.*, “Transverse-Momentum Dependence of the  $J/\psi$  Nuclear Modification in  $d$ +Au Collisions at  $\sqrt{s_{NN}} = 200$  GeV,” *Phys. Rev. C* **87** no. 3, (2013) 034904, [arXiv:1204.0777 \[nucl-ex\]](#).
- [450] **PHENIX** Collaboration, A. Adare *et al.*, “Nuclear-Modification Factor for Open-Heavy-Flavor Production at Forward Rapidity in Cu+Cu Collisions at  $\sqrt{s_{NN}} = 200$  GeV,” *Phys. Rev. C* **86** (2012) 024909, [arXiv:1204.0754 \[nucl-ex\]](#).
- [451] **PHENIX** Collaboration, A. Adare *et al.*, “Evolution of  $\pi^0$  suppression in Au+Au collisions from  $\sqrt{s_{NN}} = 39$  to 200 GeV,” *Phys. Rev. Lett.* **109** (2012) 152301, [arXiv:1204.1526 \[nucl-ex\]](#). [Erratum: *Phys. Rev. Lett.* 125, 049901 (2020)].
- [452] **PHENIX** Collaboration, A. Adare *et al.*, “Deviation from quark-number scaling of the anisotropy parameter  $v_2$  of pions, kaons, and protons in Au+Au collisions at  $\sqrt{s_{NN}} = 200$  GeV,” *Phys. Rev. C* **85** (2012) 064914, [arXiv:1203.2644 \[nucl-ex\]](#).
- [453] **PHENIX** Collaboration, A. Adare *et al.*, “Cross sections and double-helicity asymmetries of midrapidity inclusive charged hadrons in  $p + p$  collisions at  $\sqrt{s} = 62.4$  GeV,” *Phys. Rev. D* **86** (2012) 092006, [arXiv:1202.4020 \[hep-ex\]](#).
- [454] **PHENIX** Collaboration, A. Adare *et al.*, “Production of  $\omega$  mesons in  $p + p$ ,  $d$ +Au, Cu+Cu, and Au+Au collisions at  $\sqrt{s_{NN}} = 200$  GeV,” *Phys. Rev. C* **84** (2011) 044902, [arXiv:1105.3467 \[nucl-ex\]](#).
- [455] **PHENIX** Collaboration, A. Adare *et al.*, “Measurements of Higher-Order Flow Harmonics in Au+Au Collisions at  $\sqrt{s_{NN}} = 200$  GeV,” *Phys. Rev. Lett.* **107** (2011) 252301, [arXiv:1105.3928 \[nucl-ex\]](#).
- [456] **PHENIX** Collaboration, A. Adare *et al.*, “Suppression of back-to-back hadron pairs at forward rapidity in  $d$ +Au Collisions at  $\sqrt{s_{NN}} = 200$  GeV,” *Phys. Rev. Lett.* **107** (2011) 172301, [arXiv:1105.5112 \[nucl-ex\]](#).
- [457] **PHENIX** Collaboration, A. Adare *et al.*, “Observation of direct-photon collective flow in  $\sqrt{s_{NN}} = 200$  GeV Au+Au collisions,” *Phys. Rev. Lett.* **109** (2012) 122302, [arXiv:1105.4126 \[nucl-ex\]](#).
- [458] **PHENIX** Collaboration, A. Adare *et al.*, “Ground and excited charmonium state production in  $p + p$  collisions at  $\sqrt{s} = 200$  GeV,” *Phys. Rev. D* **85** (2012) 092004, [arXiv:1105.1966 \[hep-ex\]](#).
- [459] **PHENIX** Collaboration, A. Adare *et al.*, “ $J/\psi$  suppression at forward rapidity in Au+Au collisions at  $\sqrt{s_{NN}} = 200$  GeV,” *Phys. Rev. C* **84** (2011) 054912, [arXiv:1103.6269 \[nucl-ex\]](#).

- [460] **PHENIX** Collaboration, A. Adare *et al.*, “Identified charged hadron production in  $p + p$  collisions at  $\sqrt{s} = 200$  and 62.4 GeV,” *Phys. Rev. C* **83** (2011) 064903, [arXiv:1102.0753 \[nucl-ex\]](#).
- [461] **PHENIX** Collaboration, A. Adare *et al.*, “Azimuthal correlations of electrons from heavy-flavor decay with hadrons in  $p^+p$  and Au+Au collisions at  $\sqrt{s_{NN}} = 200$  GeV,” *Phys. Rev. C* **83** (2011) 044912, [arXiv:1011.1477 \[nucl-ex\]](#).
- [462] **PHENIX** Collaboration, A. Adare *et al.*, “Cold Nuclear Matter Effects on  $J/\psi$  Yields as a Function of Rapidity and Nuclear Geometry in Deuteron-Gold Collisions at  $\sqrt{s_{NN}} = 200$  GeV,” *Phys. Rev. Lett.* **107** (2011) 142301, [arXiv:1010.1246 \[nucl-ex\]](#).
- [463] **PHENIX** Collaboration, A. Adare *et al.*, “Suppression of away-side jet fragments with respect to the reaction plane in Au+Au collisions at  $\sqrt{s_{NN}} = 200$  GeV,” *Phys. Rev. C* **84** (2011) 024904, [arXiv:1010.1521 \[nucl-ex\]](#).
- [464] **PHENIX** Collaboration, A. Adare *et al.*, “Cross section and double helicity asymmetry for  $\eta$  mesons and their comparison to neutral pion production in  $p + p$  collisions at  $\sqrt{s}=200$  GeV,” *Phys. Rev. D* **83** (2011) 032001, [arXiv:1009.6224 \[hep-ex\]](#).
- [465] **PHENIX** Collaboration, A. Adare *et al.*, “Event Structure and Double Helicity Asymmetry in Jet Production from Polarized  $p + p$  Collisions at  $\sqrt{s} = 200$  GeV,” *Phys. Rev. D* **84** (2011) 012006, [arXiv:1009.4921 \[hep-ex\]](#).
- [466] **PHENIX** Collaboration, A. Adare *et al.*, “Measurement of Transverse Single-Spin Asymmetries for  $J/\psi$  Production in Polarized  $p + p$  Collisions at  $\sqrt{s} = 200$  GeV,” *Phys. Rev. D* **82** (2010) 112008, [arXiv:1009.4864 \[hep-ex\]](#). [Erratum: Phys.Rev.D 86, 099904 (2012)].
- [467] **PHENIX** Collaboration, A. Adare *et al.*, “Cross Section and Parity Violating Spin Asymmetries of  $W^\pm$  Boson Production in Polarized  $p + p$  Collisions at  $\sqrt{s} = 500$  GeV,” *Phys. Rev. Lett.* **106** (2011) 062001, [arXiv:1009.0505 \[hep-ex\]](#).
- [468] **PHENIX** Collaboration, A. Adare *et al.*, “Azimuthal anisotropy of neutral pion production in Au+Au collisions at  $\sqrt(s_{NN}) = 200$  GeV: Path-length dependence of jet quenching and the role of initial geometry,” *Phys. Rev. Lett.* **105** (2010) 142301, [arXiv:1006.3740 \[nucl-ex\]](#).
- [469] **PHENIX** Collaboration, A. Adare *et al.*, “High  $p_T$  direct photon and  $\pi^0$  triggered azimuthal jet correlations and measurement of  $k_T$  for isolated direct photons in  $p + p$  collisions at  $\sqrt{s_{\text{NN}}} = 200$  GeV,” *Phys. Rev. D* **82** (2010) 072001, [arXiv:1006.1347 \[hep-ex\]](#).
- [470] **PHENIX** Collaboration, A. Adare *et al.*, “Measurement of neutral mesons in p+p collisions at  $\sqrt{s}= 200$  GeV and scaling properties of hadron production,” *Phys. Rev. D* **83** (2011) 052004, [arXiv:1005.3674 \[hep-ex\]](#).
- [471] **PHENIX** Collaboration, A. Adare *et al.*, “Heavy Quark Production in  $p + p$  and Energy Loss and Flow of Heavy Quarks in Au+Au Collisions at  $\sqrt{s_{NN}} = 200$  GeV,” *Phys. Rev. C* **84** (2011) 044905, [arXiv:1005.1627 \[nucl-ex\]](#).
- [472] **PHENIX** Collaboration, A. Adare *et al.*, “Transverse momentum dependence of meson suppression  $\eta$  suppression in Au+Au collisions at  $\sqrt{s_{NN}} = 200$  GeV,” *Phys. Rev. C* **82** (2010) 011902, [arXiv:1005.4916 \[nucl-ex\]](#).

- [473] **PHENIX** Collaboration, A. Adare *et al.*, “Nuclear modification factors of  $\phi$  mesons in  $d+\text{Au}$ ,  $\text{Cu}+\text{Cu}$  and  $\text{Au}+\text{Au}$  collisions at  $\sqrt{s_{\text{NN}}} = 200 \text{ GeV}$ ,” *Phys. Rev. C* **83** (2011) 024909, [arXiv:1004.3532 \[nucl-ex\]](#).
- [474] **PHENIX** Collaboration, A. Adare *et al.*, “Elliptic and hexadecapole flow of charged hadrons in  $\text{Au}+\text{Au}$  collisions at  $\sqrt{s_{\text{NN}}} = 200 \text{ GeV}$ ,” *Phys. Rev. Lett.* **105** (2010) 062301, [arXiv:1003.5586 \[nucl-ex\]](#).
- [475] **PHENIX** Collaboration, A. Adare *et al.*, “Transition in Yield and Azimuthal Shape Modification in Dihadron Correlations in Relativistic Heavy Ion Collisions,” *Phys. Rev. Lett.* **104** (2010) 252301, [arXiv:1002.1077 \[nucl-ex\]](#).
- [476] **PHENIX** Collaboration, A. Adare *et al.*, “Detailed measurement of the  $e^+e^-$  pair continuum in  $p+p$  and  $\text{Au}+\text{Au}$  collisions at  $\sqrt{s_{\text{NN}}} = 200 \text{ GeV}$  and implications for direct photon production,” *Phys. Rev. C* **81** (2010) 034911, [arXiv:0912.0244 \[nucl-ex\]](#).
- [477] **PHENIX** Collaboration, A. Adare *et al.*, “Transverse momentum dependence of  $J/\psi$  polarization at midrapidity in  $p+p$  collisions at  $s^{**}(1/2) = 200\text{-GeV}$ ,” *Phys. Rev. D* **82** (2010) 012001, [arXiv:0912.2082 \[hep-ex\]](#).
- [478] **PHENIX** Collaboration, A. Adare *et al.*, “Double-Helicity Dependence of Jet Properties from Dihadrons in Longitudinally Polarized  $p+p$  Collisions at  $\sqrt{s} = 200\text{-GeV}$ ,” *Phys. Rev. D* **81** (2010) 012002, [arXiv:0910.1029 \[hep-ex\]](#).
- [479] **PHENIX** Collaboration, S. Afanasiev *et al.*, “Systematic Studies of Elliptic Flow Measurements in  $\text{Au}+\text{Au}$  Collisions at  $s^{**}(1/2) = 200\text{-GeV}$ ,” *Phys. Rev. C* **80** (2009) 024909, [arXiv:0905.1070 \[nucl-ex\]](#).
- [480] **PHENIX** Collaboration, S. Afanasiev *et al.*, “Photoproduction of  $J/\psi$  and of high mass  $e^+e^-$  in ultra-peripheral  $\text{Au}+\text{Au}$  collisions at  $s^{**}(1/2) = 200\text{-GeV}$ ,” *Phys. Lett. B* **679** (2009) 321–329, [arXiv:0903.2041 \[nucl-ex\]](#).
- [481] **PHENIX** Collaboration, A. Adare *et al.*, “Photon-Hadron Jet Correlations in  $p+p$  and  $\text{Au}+\text{Au}$  Collisions at  $s^{**}(1/2) = 200\text{-GeV}$ ,” *Phys. Rev. C* **80** (2009) 024908, [arXiv:0903.3399 \[nucl-ex\]](#).
- [482] **PHENIX** Collaboration, S. Afanasiev *et al.*, “High-pT  $\pi^0$  Production with Respect to the Reaction Plane in  $\text{Au} + \text{Au}$  Collisions at  $s(\text{NN})^{**}(1/2) = 200\text{-GeV}$ ,” *Phys. Rev. C* **80** (2009) 054907, [arXiv:0903.4886 \[nucl-ex\]](#).
- [483] **PHENIX** Collaboration, A. Adare *et al.*, “Measurement of Bottom versus Charm as a Function of Transverse Momentum with Electron-Hadron Correlations in  $p^+p$  Collisions at  $\sqrt{s} = 200 \text{ GeV}$ ,” *Phys. Rev. Lett.* **103** (2009) 082002, [arXiv:0903.4851 \[hep-ex\]](#).
- [484] **PHENIX** Collaboration, S. Afanasiev *et al.*, “Kaon interferometric probes of space-time evolution in  $\text{Au}+\text{Au}$  collisions at  $s(\text{NN})^{**}(1/2) = 200\text{-GeV}$ ,” *Phys. Rev. Lett.* **103** (2009) 142301, [arXiv:0903.4863 \[nucl-ex\]](#).
- [485] **PHENIX** Collaboration, A. Adare *et al.*, “The Polarized gluon contribution to the proton spin from the double helicity asymmetry in inclusive  $\pi^0$  production in polarized  $p + p$  collisions at  $s^{**}(1/2) = 200\text{-GeV}$ ,” *Phys. Rev. Lett.* **103** (2009) 012003, [arXiv:0810.0694 \[hep-ex\]](#).

- [486] **PHENIX** Collaboration, A. Adare *et al.*, “Inclusive cross section and double helicity asymmetry for  $\pi^0$  production in  $p^+p$  collisions at  $\sqrt{s} = 62.4$  GeV,” *Phys. Rev. D* **79** (2009) 012003, [arXiv:0810.0701 \[hep-ex\]](#).
- [487] **PHENIX** Collaboration, A. Adare *et al.*, “Charged hadron multiplicity fluctuations in Au+Au and Cu+Cu collisions from  $\sqrt{s_{NN}} = 22.5$  to 200 GeV,” *Phys. Rev. C* **78** (2008) 044902, [arXiv:0805.1521 \[nucl-ex\]](#).
- [488] **PHENIX** Collaboration, A. Adare *et al.*, “Enhanced production of direct photons in Au+Au collisions at  $\sqrt{s_{NN}} = 200$  GeV and implications for the initial temperature,” *Phys. Rev. Lett.* **104** (2010) 132301, [arXiv:0804.4168 \[nucl-ex\]](#).
- [489] **PHENIX** Collaboration, A. Adare *et al.*, “Dilepton mass spectra in p+p collisions at  $s^{**}(1/2) = 200$ -GeV and the contribution from open charm,” *Phys. Lett. B* **670** (2009) 313–320, [arXiv:0802.0050 \[hep-ex\]](#).
- [490] **PHENIX** Collaboration, D. J. Kim, “Heavy quark ‘energy loss’ and ‘flow’ in a QCD matter at RHIC,” *J. Phys. G* **35** (2008) 044024.
- [491] **PHENIX** Collaboration, A. Adare *et al.*, “J/psi Production in  $s(\text{NN})^{**}(1/2) = 200$ -GeV Cu+Cu Collisions,” *Phys. Rev. Lett.* **101** (2008) 122301, [arXiv:0801.0220 \[nucl-ex\]](#).
- [492] **PHENIX** Collaboration, A. Adare *et al.*, “Onset of  $\pi^0$  Suppression Studied in Cu+Cu Collisions at  $\sqrt{s_{NN}} = 22.4, 62.4$ , and 200 GeV,” *Phys. Rev. Lett.* **101** (2008) 162301, [arXiv:0801.4555 \[nucl-ex\]](#).
- [493] **PHENIX** Collaboration, A. Adare *et al.*, “Quantitative Constraints on the Opacity of Hot Partonic Matter from Semi-Inclusive Single High Transverse Momentum Pion Suppression in Au+Au collisions at  $s(\text{NN})^{**}(1/2) = 200$ -GeV,” *Phys. Rev. C* **77** (2008) 064907, [arXiv:0801.1665 \[nucl-ex\]](#).
- [494] **PHENIX** Collaboration, A. Adare *et al.*, “Dihadron azimuthal correlations in Au+Au collisions at  $\sqrt{s_{NN}} = 200$  GeV,” *Phys. Rev. C* **78** (2008) 014901, [arXiv:0801.4545 \[nucl-ex\]](#).
- [495] **PHENIX** Collaboration, A. Adare *et al.*, “Suppression pattern of neutral pions at high transverse momentum in Au+Au collisions at  $\sqrt{s_{NN}} = 200$  GeV and constraints on medium transport coefficients,” *Phys. Rev. Lett.* **101** (2008) 232301, [arXiv:0801.4020 \[nucl-ex\]](#).
- [496] **PHENIX** Collaboration, S. Afanasiev *et al.*, “Particle-species dependent modification of jet-induced correlations in Au+Au collisions at  $s(\text{NN})^{**}(1/2) = 200$ -GeV,” *Phys. Rev. Lett.* **101** (2008) 082301, [arXiv:0712.3033 \[nucl-ex\]](#).
- [497] **PHENIX** Collaboration, S. Afanasiev *et al.*, “Source breakup dynamics in Au+Au Collisions at  $s(\text{NN})^{**}(1/2) = 200$ -GeV via three-dimensional two-pion source imaging,” *Phys. Rev. Lett.* **100** (2008) 232301, [arXiv:0712.4372 \[nucl-ex\]](#).
- [498] **PHENIX** Collaboration, A. Adare *et al.*, “Cold Nuclear Matter Effects on J/Psi as Constrained by Deuteron-Gold Measurements at  $s(\text{NN})^{**}(1/2) = 200$ -GeV,” *Phys. Rev. C* **77** (2008) 024912, [arXiv:0903.4845 \[nucl-ex\]](#). [Erratum: *Phys. Rev. C* 79, 059901 (2009)].

- [499] **PHENIX** Collaboration, S. S. Adler *et al.*, “Centrality dependence of charged hadron production in deuteron + gold and nucleon + gold collisions at  $s(NN)^{**}(1/2) = 200\text{-GeV}$ ,” *Phys. Rev. C* **77** (2008) 014905, [arXiv:0708.2416 \[nucl-ex\]](#).
- [500] **PHENIX** Collaboration, S. Afanasiev *et al.*, “Enhancement of the dielectron continuum in  $s(NN)^{**}(1/2) = 200\text{-GeV}$  Au+Au collisions,” [arXiv:0706.3034 \[nucl-ex\]](#).
- [501] **PHENIX** Collaboration, A. Adare *et al.*, “Transverse momentum and centrality dependence of dihadron correlations in Au+Au collisions at  $s(NN) = 200\text{-GeV}$ : Jet-quenching and the response of partonic matter,” *Phys. Rev. C* **77** (2008) 011901, [arXiv:0705.3238 \[nucl-ex\]](#).
- [502] **PHENIX** Collaboration, A. Adare *et al.*, “Inclusive cross-section and double helicity asymmetry for  $\pi^0$  production in  $p + p$  collisions at  $\sqrt{s} = 200$  GeV: Implications for the polarized gluon distribution in the proton,” *Phys. Rev. D* **76** (2007) 051106, [arXiv:0704.3599 \[hep-ex\]](#).
- [503] **PHENIX** Collaboration, S. S. Adler *et al.*, “Measurement of density correlations in pseudorapidity via charged particle multiplicity fluctuations in Au+Au collisions at  $s(NN)^{**}(1/2) = 200\text{-GeV}$ ,” *Phys. Rev. C* **76** (2007) 034903, [arXiv:0704.2894 \[nucl-ex\]](#).
- [504] **PHENIX** Collaboration, S. Afanasiev *et al.*, “Elliptic flow for phi mesons and (anti)deuterons in Au + Au collisions at  $s(NN)^{**}(1/2) = 200\text{-GeV}$ ,” *Phys. Rev. Lett.* **99** (2007) 052301, [arXiv:nucl-ex/0703024](#).
- [505] **PHENIX** Collaboration, S. S. Adler *et al.*, “High transverse momentum  $\eta$  meson production in  $p^+p$ ,  $d^+$  Au and Au+Au collisions at  $S(NN)^{(1/2)} = 200\text{-GeV}$ ,” *Phys. Rev. C* **75** (2007) 024909, [arXiv:nucl-ex/0611006](#).
- [506] **PHENIX** Collaboration, A. Adare *et al.*, “ $J/\psi$  production versus transverse momentum and rapidity in  $p^+p$  collisions at  $\sqrt{s} = 200\text{-GeV}$ ,” *Phys. Rev. Lett.* **98** (2007) 232002, [arXiv:hep-ex/0611020](#).
- [507] **PHENIX** Collaboration, A. Adare *et al.*, “Energy Loss and Flow of Heavy Quarks in Au+Au Collisions at  $s(NN)^{**}(1/2) = 200\text{-GeV}$ ,” *Phys. Rev. Lett.* **98** (2007) 172301, [arXiv:nucl-ex/0611018](#).
- [508] **PHENIX** Collaboration, S. S. Adler *et al.*, “A Detailed Study of High-p(T) Neutral Pion Suppression and Azimuthal Anisotropy in Au+Au Collisions at  $s(NN)^{**}(1/2) = 200\text{-GeV}$ ,” *Phys. Rev. C* **76** (2007) 034904, [arXiv:nucl-ex/0611007](#).
- [509] **PHENIX** Collaboration, A. Adare *et al.*, “Correlated Production of p and anti-p in Au+Au Collisions at  $s(NN)^{**}(1/2) = 200\text{-GeV}$ ,” *Phys. Lett. B* **649** (2007) 359–369, [arXiv:nucl-ex/0611016](#).
- [510] **PHENIX** Collaboration, A. Adare *et al.*, “ $J/\psi$  Production vs Centrality, Transverse Momentum, and Rapidity in Au+Au Collisions at  $\sqrt{s_{NN}} = 200$  GeV,” *Phys. Rev. Lett.* **98** (2007) 232301, [arXiv:nucl-ex/0611020](#).
- [511] **PHENIX** Collaboration, S. S. Adler *et al.*, “Production of omega mesons at Large Transverse Momenta in  $p + p$  and  $d + \text{Au}$  Collisions at  $s^{**}(1/2)(NN) = 200\text{-GeV}$ ,” *Phys. Rev. C* **75** (2007) 051902, [arXiv:nucl-ex/0611031](#).

- [512] **PHENIX** Collaboration, S. S. Adler *et al.*, “Centrality dependence of pi0 and eta production at large transverse momentum in  $s(\text{NN})^{**}(1/2) = 200\text{-GeV}$  d+Au collisions,” *Phys. Rev. Lett.* **98** (2007) 172302, [arXiv:nucl-ex/0610036](#).
- [513] **PHENIX** Collaboration, S. S. Adler *et al.*, “Measurement of direct photon production in p + p collisions at  $s^{**}(1/2) = 200\text{-GeV}$ ,” *Phys. Rev. Lett.* **98** (2007) 012002, [arXiv:hep-ex/0609031](#).
- [514] **PHENIX** Collaboration, A. Adare *et al.*, “Measurement of high- $p_T$  single electrons from heavy-flavor decays in  $p + p$  collisions at  $\sqrt{s} = 200 \text{ GeV}$ ,” *Phys. Rev. Lett.* **97** (2006) 252002, [arXiv:hep-ex/0609010](#).
- [515] **PHENIX** Collaboration, S. S. Adler *et al.*, “Measurement of Single Muons at Forward Rapidity in p+p Collisions at  $s^{**}(1/2) = 200\text{-GeV}$  and Implications for Charm Production,” *Phys. Rev. D* **76** (2007) 092002, [arXiv:hep-ex/0609032](#).
- [516] **PHENIX** Collaboration, A. Adare *et al.*, “Scaling properties of azimuthal anisotropy in Au+Au and Cu+Cu collisions at  $s(\text{NN}) = 200\text{-GeV}$ ,” *Phys. Rev. Lett.* **98** (2007) 162301, [arXiv:nucl-ex/0608033](#).
- [517] **PHENIX** Collaboration, S. S. Adler *et al.*, “Jet properties from dihadron correlations in  $p^+p$  collisions at  $\sqrt{s} = 200\text{-GeV}$ ,” *Phys. Rev. D* **74** (2006) 072002, [arXiv:hep-ex/0605039](#).
- [518] **PHENIX** Collaboration, S. S. Adler *et al.*, “Evidence for a long-range component in the pion emission source in Au + Au collisions at  $s(\text{NN})^{**}(1/2) = 200\text{-GeV}$ ,” *Phys. Rev. Lett.* **98** (2007) 132301, [arXiv:nucl-ex/0605032](#).
- [519] **PHENIX** Collaboration, S. S. Adler *et al.*, “Nuclear effects on hadron production in d = Au and p + p collisions at  $s(\text{NN})^{**}(1/2) = 200\text{-GeV}$ ,” *Phys. Rev. C* **74** (2006) 024904, [arXiv:nucl-ex/0603010](#).
- [520] **PHENIX** Collaboration, S. S. Adler *et al.*, “Azimuthal angle correlations for rapidity separated hadron pairs in d + Au Collisions at  $s(\text{NN})^{**}(1/2) = 200\text{-GeV}$ ,” *Phys. Rev. Lett.* **96** (2006) 222301, [arXiv:nucl-ex/0603017](#).
- [521] **PHENIX** Collaboration, S. S. Adler *et al.*, “Improved measurement of double helicity asymmetry in inclusive midrapidity pi0 production for polarized p+p collisions at  $s^{**}(1/2) = 200\text{-GeV}$ ,” *Phys. Rev. D* **73** (2006) 091102, [arXiv:hep-ex/0602004](#).
- [522] **PHENIX** Collaboration, S. S. Adler *et al.*, “Common suppression pattern of eta and pi0 mesons at high transverse momentum in Au+Au collisions at  $S(\text{NN})^{**}(1/2) = 200\text{-GeV}$ ,” *Phys. Rev. Lett.* **96** (2006) 202301, [arXiv:nucl-ex/0601037](#).
- [523] **PHENIX** Collaboration, S. S. Adler *et al.*, “Nuclear modification of electron spectra and implications for heavy quark energy loss in Au+Au collisions at  $s(\text{NN})^{**}(1/2) - 200\text{-GeV}$ ,” *Phys. Rev. Lett.* **96** (2006) 032301, [arXiv:nucl-ex/0510047](#).
- [524] **PHENIX** Collaboration, S. S. Adler *et al.*, “Jet structure from dihadron correlations in d+Au collisions at  $s(\text{NN})^{**}(1/2) = 200\text{-GeV}$ ,” *Phys. Rev. C* **73** (2006) 054903, [arXiv:nucl-ex/0510021](#).

- [525] **PHENIX** Collaboration, S. S. Adler *et al.*, “Single electrons from heavy flavor decays in p+p collisions at  $s^{**}(1/2) = 200\text{-GeV}$ ,” *Phys. Rev. Lett.* **96** (2006) 032001, [arXiv:hep-ex/0508034](#).
- [526] **PHENIX** Collaboration, S. S. Adler *et al.*, “Measurement of identified pi0 and inclusive photon  $\nu(2)$  and implication to the direct photon production in  $s(\text{NN})^{**1/2} = 200\text{-GeV}$  Au+Au collisions,” *Phys. Rev. Lett.* **96** (2006) 032302, [arXiv:nucl-ex/0508019](#).
- [527] **PHENIX** Collaboration, S. S. Adler *et al.*, “J/psi production and nuclear effects for d+Au and p+p collisions at  $s(\text{NN})^{**}(1/2) = 200\text{-GeV}$ ,” *Phys. Rev. Lett.* **96** (2006) 012304, [arXiv:nucl-ex/0507032](#).
- [528] **PHENIX** Collaboration, S. S. Adler *et al.*, “Measurement of transverse single-spin asymmetries for mid-rapidity production of neutral pions and charged hadrons in polarized p+p collisions at  $s^{**}(1/2) = 200\text{-GeV}$ ,” *Phys. Rev. Lett.* **95** (2005) 202001, [arXiv:hep-ex/0507073](#).
- [529] **PHENIX** Collaboration, S. S. Adler *et al.*, “Dense-Medium Modifications to Jet-Induced Hadron Pair Distributions in Au+Au Collisions at  $s(\text{NN})^{**}(1/2) = 200\text{-GeV}$ ,” *Phys. Rev. Lett.* **97** (2006) 052301, [arXiv:nucl-ex/0507004](#).
- [530] **PHENIX** Collaboration, S. S. Adler *et al.*, “Centrality dependence of direct photon production in  $s(\text{NN})^{**}(1/2) = 200\text{-GeV}$  Au + Au collisions,” *Phys. Rev. Lett.* **94** (2005) 232301, [arXiv:nucl-ex/0503003](#).
- [531] **PHENIX** Collaboration, S. S. Adler *et al.*, “Measurement of single electron event anisotropy in Au+Au collisions at  $s(\text{NN})^{**}(1/2) = 200\text{-GeV}$ ,” *Phys. Rev. C* **72** (2005) 024901, [arXiv:nucl-ex/0502009](#).
- [532] **PHENIX** Collaboration, S. S. Adler *et al.*, “Mid-rapidity direct-photon production in  $p^+p$  collisions at  $\sqrt{s} = 200\text{-GeV}$ ,” *Phys. Rev. D* **71** (2005) 071102, [arXiv:hep-ex/0502006](#).
- [533] **PHENIX** Collaboration, O. Drapier *et al.*, “Heavy flavor production in PHENIX,” *Eur. Phys. J. C* **43** (2005) 201–208.
- [534] **PHENIX** Collaboration, K. Ozawa *et al.*, “Low mass dilepton production at RHIC energies,” *Eur. Phys. J. C* **43** (2005) 421–426.
- [535] **PHENIX** Collaboration, M. Rosati *et al.*, “Quarkonium production from d + Au to Au + Au collisions,” *Eur. Phys. J. C* **43** (2005) 173–178.
- [536] **PHENIX** Collaboration, J. Velkovska *et al.*, “Can phi mesons give an answer to the baryon puzzle at RHIC?,” *Eur. Phys. J. C* **43** (2005) 317–322.
- [537] **PHENIX** Collaboration, B. A. Cole *et al.*, “Differential probes of medium-induced energy loss,” *Eur. Phys. J. C* **43** (2005) 271–280.
- [538] **PHENIX** Collaboration, H. Busching *et al.*, “Medium effects on high particle production measured with the PHENIX experiment,” *Eur. Phys. J. C* **43** (2005) 303–310.
- [539] **PHENIX** Collaboration, S. S. Adler *et al.*, “Saturation of azimuthal anisotropy in Au + Au collisions at  $s(\text{NN})^{**}(1/2) = 62\text{-GeV}$  to  $200\text{-GeV}$ ,” *Phys. Rev. Lett.* **94** (2005) 232302, [arXiv:nucl-ex/0411040](#).

- [540] **PHENIX** Collaboration, S. S. Adler *et al.*, “Nuclear modification factors for hadrons at forward and backward rapidities in deuteron-gold collisions at  $s(\text{NN})^{**}(1/2) = 200\text{-GeV}$ ,” *Phys. Rev. Lett.* **94** (2005) 082302, [arXiv:nucl-ex/0411054](#).
- [541] **PHENIX** Collaboration, S. S. Adler *et al.*, “Production of phi mesons at mid-rapidity in  $s(\text{NN})^{**}(1/2) = 200\text{-GeV}$  Au+Au collisions at RHIC,” *Phys. Rev. C* **72** (2005) 014903, [arXiv:nucl-ex/0410012](#).
- [542] **PHENIX** Collaboration, K. Adcox *et al.*, “Formation of dense partonic matter in relativistic nucleus-nucleus collisions at RHIC: Experimental evaluation by the PHENIX collaboration,” *Nucl. Phys. A* **757** (2005) 184–283, [arXiv:nucl-ex/0410003](#).
- [543] **PHENIX** Collaboration, S. S. Adler *et al.*, “Systematic studies of the centrality and  $s(\text{NN})^{**}(1/2)$  dependence of the  $d E(T) / d \eta$  and  $d (N(\text{ch})) / d \eta$  in heavy ion collisions at mid-rapidity,” *Phys. Rev. C* **71** (2005) 034908, [arXiv:nucl-ex/0409015](#). [Erratum: *Phys. Rev. C* **71**, 049901 (2005)].
- [544] **PHENIX** Collaboration, S. S. Adler *et al.*, “Centrality dependence of charm production from single electrons measurement in Au + Au collisions at  $s(\text{NN})^{**}(1/2) = 200\text{-GeV}$ ,” *Phys. Rev. Lett.* **94** (2005) 082301, [arXiv:nucl-ex/0409028](#).
- [545] **PHENIX** Collaboration, S. S. Adler *et al.*, “Jet structure of baryon excess in Au + Au collisions at  $s(\text{NN})^{**}(1/2) = 200\text{-GeV}$ ,” *Phys. Rev. C* **71** (2005) 051902, [arXiv:nucl-ex/0408007](#).
- [546] **PHENIX** Collaboration, S. S. Adler *et al.*, “Deuteron and antideuteron production in Au + Au collisions at  $s(\text{NN})^{**}(1/2) = 200\text{-GeV}$ ,” *Phys. Rev. Lett.* **94** (2005) 122302, [arXiv:nucl-ex/0406004](#).
- [547] **PHENIX** Collaboration, S. S. Adler *et al.*, “Double helicity asymmetry in inclusive mid-rapidity pi0 production for polarized p + p collisions at  $s^{**}(1/2) = 200\text{-GeV}$ ,” *Phys. Rev. Lett.* **93** (2004) 202002, [arXiv:hep-ex/0404027](#).
- [548] **PHENIX** Collaboration, S. S. Adler *et al.*, “Bose-Einstein correlations of charged pion pairs in Au + Au collisions at  $s(\text{NN})^{**}(1/2) = 200\text{-GeV}$ ,” *Phys. Rev. Lett.* **93** (2004) 152302, [arXiv:nucl-ex/0401003](#).
- [549] **PHENIX** Collaboration, S. S. Adler *et al.*, “Measurement of nonrandom event by event fluctuations of average transverse momentum in  $s(\text{NN})^{**}(1/2) = 200\text{-GeV}$  Au+Au and p+p collisions,” *Phys. Rev. Lett.* **93** (2004) 092301, [arXiv:nucl-ex/0310005](#).
- [550] **PHENIX** Collaboration, S. S. Adler *et al.*, “High  $p_T$  charged hadron suppression in Au + Au collisions at  $\sqrt{s_{NN}} = 200\text{ GeV}$ ,” *Phys. Rev. C* **69** (2004) 034910, [arXiv:nucl-ex/0308006](#).
- [551] **PHENIX** Collaboration, S. S. Adler *et al.*, “Identified charged particle spectra and yields in Au+Au collisions at  $S(\text{NN})^{**}1/2 = 200\text{-GeV}$ ,” *Phys. Rev. C* **69** (2004) 034909, [arXiv:nucl-ex/0307022](#).
- [552] **PHENIX** Collaboration, K. Adcox *et al.*, “Single identified hadron spectra from  $s(\text{NN})^{**}(1/2) = 130\text{-GeV}$  Au+Au collisions,” *Phys. Rev. C* **69** (2004) 024904, [arXiv:nucl-ex/0307010](#).

- [553] **PHENIX** Collaboration, S. S. Adler *et al.*, “ $J/\psi$  production from proton proton collisions at  $\sqrt{s} = 200\text{-GeV}$ ,” *Phys. Rev. Lett.* **92** (2004) 051802, [arXiv:hep-ex/0307019](#).
- [554] **PHENIX** Collaboration, S. S. Adler *et al.*, “Absence of suppression in particle production at large transverse momentum in  $s(\text{NN})^{**}(1/2) = 200\text{-GeV}$  d + Au collisions,” *Phys. Rev. Lett.* **91** (2003) 072303, [arXiv:nucl-ex/0306021](#).
- [555] **PHENIX** Collaboration, S. S. Adler *et al.*, “J / psi production in Au Au collisions at  $s(\text{NN})^{**}(1/2) = 200\text{-GeV}$  at the Relativistic Heavy Ion Collider,” *Phys. Rev. C* **69** (2004) 014901, [arXiv:nucl-ex/0305030](#).
- [556] **PHENIX** Collaboration, S. S. Adler *et al.*, “Elliptic flow of identified hadrons in Au+Au collisions at  $s(\text{NN})^{**}(1/2) = 200\text{-GeV}$ ,” *Phys. Rev. Lett.* **91** (2003) 182301, [arXiv:nucl-ex/0305013](#).
- [557] **PHENIX** Collaboration, S. S. Adler *et al.*, “Scaling properties of proton and anti-proton production in  $s(\text{NN})^{**}(1/2)$  200-GeV Au+Au collisions,” *Phys. Rev. Lett.* **91** (2003) 172301, [arXiv:nucl-ex/0305036](#).
- [558] **PHENIX** Collaboration, S. S. Adler *et al.*, “Suppressed  $\pi^0$  production at large transverse momentum in central Au+ Au collisions at  $\sqrt{S_{NN}} = 200 \text{ GeV}$ ,” *Phys. Rev. Lett.* **91** (2003) 072301, [arXiv:nucl-ex/0304022](#).
- [559] **PHENIX** Collaboration, S. S. Adler *et al.*, “Mid-rapidity neutral pion production in proton proton collisions at  $\sqrt{s} = 200\text{-GeV}$ ,” *Phys. Rev. Lett.* **91** (2003) 241803, [arXiv:hep-ex/0304038](#).
- [560] **PHENIX** Collaboration, H. Akikawa *et al.*, “PHENIX muon arms,” *Nucl. Instrum. Meth. A* **499** (2003) 537–548.
- [561] **PHENIX** Collaboration, A. Drees *et al.*, “Heavy ion collisions at collider energies: Insights from PHENIX,” *Pramana* **60** (2003) 639–650.
- [562] **PHENIX** Collaboration, K. Adcox *et al.*, “PHENIX detector overview,” *Nucl. Instrum. Meth. A* **499** (2003) 469–479.
- [563] **PHENIX** Collaboration, K. Adcox *et al.*, “Centrality dependence of the high p(T) charged hadron suppression in Au+Au collisions at  $s(\text{NN})^{**}(1/2) = 130\text{-GeV}$ ,” *Phys. Lett. B* **561** (2003) 82–92, [arXiv:nucl-ex/0207009](#).
- [564] **PHENIX** Collaboration, K. Adcox *et al.*, “Flow measurements via two particle azimuthal correlations in Au+Au collisions at  $s(\text{NN})^{**}(1/2) = 130\text{-GeV}$ ,” *Phys. Rev. Lett.* **89** (2002) 212301, [arXiv:nucl-ex/0204005](#).
- [565] **PHENIX** Collaboration, K. Adcox *et al.*, “Measurement of the Lambda and anti-Lambda particles in Au+Au collisions at  $s(\text{NN})^{**}(1/2) = 130\text{-GeV}$ ,” *Phys. Rev. Lett.* **89** (2002) 092302, [arXiv:nucl-ex/0204007](#).
- [566] **PHENIX** Collaboration, K. Adcox *et al.*, “Net charge fluctuations in Au+Au interactions at  $s^{**}(1/2) = 130\text{-GeV}$ ,” *Phys. Rev. Lett.* **89** (2002) 082301, [arXiv:nucl-ex/0203014](#).
- [567] **PHENIX** Collaboration, K. Adcox *et al.*, “Event-by-event fluctuations in mean p(T) and mean e(T) in  $s(\text{NN})^{**}(1/2) = 130\text{-GeV}$  Au+Au collisions,” *Phys. Rev. C* **66** (2002) 024901, [arXiv:nucl-ex/0203015](#).

- [568] **PHENIX** Collaboration, K. Adcox *et al.*, “Measurement of single electrons and implications for charm production in Au+Au collisions at  $s^{**}(1/2)(NN) = 130\text{-GeV}$ ,” *Phys. Rev. Lett.* **88** (2002) 192303, [arXiv:nucl-ex/0202002](#).
- [569] **PHENIX** Collaboration, K. Adcox *et al.*, “Transverse mass dependence of two pion correlations in Au+Au collisions at  $S(NN)^{**}(1/2) = 130\text{-GeV}$ ,” *Phys. Rev. Lett.* **88** (2002) 192302, [arXiv:nucl-ex/0201008](#).
- [570] **PHENIX** Collaboration, K. Adcox *et al.*, “Centrality dependence of  $\pi^+$  /  $\pi^-$ ,  $K^+$  /  $K^-$ , p and anti-p production from  $s(NN)^{**}(1/2) = 13\text{-GeV}$  Au+Au collisions at RHIC,” *Phys. Rev. Lett.* **88** (2002) 242301, [arXiv:nucl-ex/0112006](#).
- [571] **PHENIX** Collaboration, K. Adcox *et al.*, “Suppression of hadrons with large transverse momentum in central Au+Au collisions at  $\sqrt{s_{NN}} = 130\text{-GeV}$ ,” *Phys. Rev. Lett.* **88** (2002) 022301, [arXiv:nucl-ex/0109003](#).
- [572] **PHENIX** Collaboration, W. A. Zajc *et al.*, “Overview of PHENIX results from the first RHIC run,” *Nucl. Phys. A* **698** (2002) 39–53, [arXiv:nucl-ex/0106001](#).
- [573] **PHENIX** Collaboration, K. Adcox *et al.*, “Measurement of the mid-rapidity transverse energy distribution from  $s(NN)^{**}(1/2) = 130\text{-GeV}$  Au + Au collisions at RHIC,” *Phys. Rev. Lett.* **87** (2001) 052301, [arXiv:nucl-ex/0104015](#).
- [574] **PHENIX** Collaboration, K. Adcox *et al.*, “First results from RHIC-PHENIX,” *Pramana* **57** (2001) 355–369.
- [575] **PHENIX** Collaboration, K. Adcox *et al.*, “Centrality dependence of charged particle multiplicity in Au - Au collisions at  $S(NN)^{**}(1/2) = 130\text{-GeV}$ ,” *Phys. Rev. Lett.* **86** (2001) 3500–3505, [arXiv:nucl-ex/0012008](#).