

PUBLICATIONS

1. Directed and elliptic flow of identified hadrons, high- p_T charged hadrons and light nuclei in Au+Au collisions at STAR”, **Kishora Nayak** (STAR Collaboration), *Nucl. Phys. A* **1005**, 121855 (2021)
2. “Energy dependence study of directed flow in Au+Au collisions using an improved coalescence in a multiphase transport model”, **Kishora Nayak et al.**, *Phys. Rev. C* **100**, 054903 (2019)
3. “Beam-energy dependence of the directed flow of deuterons in Au+Au collisions”, J. Adam et al. (STAR Collaboration), *Phys. Rev. C* **102**, 044906 (2020)
4. “First observation of the directed flow of D^0 and \bar{D}^0 in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV”, J. Adam et al., (STAR Collaboration) *Phys. Rev. Lett.* **123**, 162301 (2019)
5. “Multiplicity dependence of light hadron production in proton-proton collisions at $\sqrt{s} = 7$ TeV”, ALICE Collaboration (J. Adam et al.), *Phys. Rev. C* **99**, 024906 (2019)
6. “ $K^*(892)^0$ and $\phi(1020)$ meson production at high transverse momentum in pp and Pb–Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV”, ALICE Collaboration. (J. Adam et al.), *Phys. Rev. C* **95**, 064606 (2017)
7. Enhanced production of multi-strange hadrons in high-multiplicity proton collisions, ALICE Collaboration (J. Adam et al.), *Nature Physics* **13**, 535-539 (2017)
8. Production of $K^*(892)^0$ and $\phi(1020)$ in p-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV, ALICE Collaboration (J. Adam et al.), *Eur. Phys. J. C* **76**, 245 (2016)
9. ϕ -meson production at forward rapidity in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV and in pp collisions at $\sqrt{s} = 2.76$ TeV, ALICE Collaboration, (J. Adam et al.), *Phys. Lett. B* **768**, 203-217 (2017)

CONFERENCES PROCEEDINGS

1. Directed flow of identified hadrons in Au+Au collisions with the STAR experiment at RHIC”, **XXIV DAE-BRNS High Energy Physics Symposium**, India, NISER, (December 14-18, 2020), proceeding will be published in *Springer Proc. in Phys.* (2021)
1. “Directed and elliptic flow of identified hadrons, high- p_T charged hadrons and light nuclei

- in Au+Au collisions at STAR”, Quark Matter 2019, Wuhan, China; **Kishora Nayak (STAR Collaboration), *Nucl. Phys. A 1005, 121855 (2021)***
2. “High transverse momentum resonance production in pp, p-Pb, Pb-Pb collisions at LHC”, 7th International Conference on Physics and Astrophysics of Quark Gluon Plasma (ICPAQGP 2015), VECC, Kolkata, India, February 1-6, 2015; **Kishora Nayak (ALICE Collaboration), *PoS (ICPAQGP2015) 092, <https://pos.sissa.it/242/092/pdf>***
 3. “Light hadron production as function of multiplicity in pp collisions at $\sqrt{s} = 7$ TeV measured with ALICE”, XXII DAE-BRNS High Energy Physics Symposium, India, 2016 **Kishora Nayak (ALICE Collaboration), *Springer Proc. Phys. 203, 357-359 (2018)***
 4. “Multiplicity dependence of identified particle production in pp collisions with ALICE”, 52nd Rencontres de Moriond QCD and High Energy Interaction, La Thule, Italy, 2017. **Kishora Nayak (ALICE Collaboration), <http://moriond.in2p3.fr>**
 5. “Study of re-scattering effect on elliptic flow and production of resonances using AMPT” at DAE-BRNS Symposium on Nuclear Physics, Thapar University, Patiala, India, December 20-24, 2017. **Kishora Nayak et al., *DAE Symp. Nucl. Phys.* 62, 962-963 (2017)**

CONFERENCES AND PRESENTATIONS

- 1 Talk on “Directed flow of identified hadrons in Au+Au collisions with the STAR experiment at RHIC”, **XXIV DAE-BRNS High Energy Physics Symposium**, India, NISER, (December 14-18, 2020)
- 2 Talk on “Directed and elliptic flow of identified hadrons, high- p_T charged hadrons and light nuclei in Au+Au collisions at STAR”, **Quark Matter 2019**, Wuhan, China (November 3-9, 2019)
- 3 Talk on “Using AMPT study: The directed flow in Au+Au collisions at 7.7-200 GeV” at **7th Asian Triangle Heavy Ion Conference (ATHIC 2018)**, Hefei, Anhui, China (November 3-6, 2018)
- 4 Invited Talk on “Two-particle correlation and flow of identified hadrons in small systems at LHC energies”, at **9th International Workshop on Multiple Partonic Interactions at the LHC**, Hotel Peterhoff, Shimla, India, (December 11-15, 2017)

- 5 Invited Talk on “Multiplicity dependence of identified particle production in pp collisions with ALICE”, at **52nd Rencontres de Moriond QCD and High Energy Interaction**, La Thule, Italy, (25th March-1st April, 2017)
- 6 Talk on “Light hadron production as function of multiplicity in pp collisions at $\sqrt{s} = 7$ TeV measured with ALICE” at **XXII DAE-BRNS High Energy Physics Symposium**, India, University of Delhi, India, (December 12-16, 2016)
- 7 Talk on “Multiplicity dependence of identified hadron production in pp collisions at $\sqrt{s} = 7$ TeV with ALICE at the LHC” at **6th Asian Triangle Heavy Ion Conference (ATHIC 2016)**, India, International Centre, New Delhi, India, (February 15-19, 2016)
- 8 Talk on “High transverse momentum resonance production in pp, p-Pb, Pb-Pb collisions at LHC” at **7th International Conference on Physics and Astrophysics of Quark Gluon Plasma (ICPAQGP 2015)**, Variable Energy Cyclotron Centre (VECC), Kolkata, India, (February 1-6, 2015)
- 9 Talk on “ K^{*0} production in Pb-Pb and pp collisions at LHC” at **XXI DAE-BRNS High Energy Physics Symposium 2014**, Indian Institute of Technology, Guwahati, (December 8-14, 2014)
- 10 Poster on “ $K^{*}(892)^0$ resonance production with ALICE experiment at the LHC” at **Quark Matter 2014**, Darmstadt, Germany. (May 19-24, 2014)
- 11 Poster and online paper on “Study of re-scattering effect on elliptic flow and production of resonances using AMPT” at **DAE-BRNS Symposium on Nuclear Physics**, Thapar University, Patiala, India (December 20-24, 2017)