

# Curriculum Vitae

<b>Name</b>	Md Rihan Haque	
<b>Designation</b>	Assistant Professor	
<b>Department</b>	Physics	
<b>Institution</b>	Jangipur College, Murshidabad, West Bengal	
<b>Email</b>	rihanphys@gmail.com	
<b>Academic Qualification</b>		
<b>Examination</b>	<b>College/University</b>	<b>Year of Passing</b>
<b>B.Sc</b>	University of Kalyani, West Bengal, India	2008
<b>M.Sc</b>	IIT (ISM) Dhanbad, Jharkhand, India	2010
<b>Ph.D</b>	NISER Bhubaneswar, Odisha, India	2015
<b>Teaching / Research Experience</b>		
<b>Organization / Institution</b>	<b>Designation</b>	<b>Duration</b>
<b>Utrecht University, Netherlands</b>	Postdoctoral Fellow	2016 - 2019
<b>Warsaw University of Technology, Poland</b>	Assistant Prof. (Research), & Assistant Prof.	2020 - 2022
<b>GSI Darmstadt, Germany</b>	Research Scientist	Feb - Nov, 2023
<b>Area of Specialization:</b> <b>Nuclear and Particle Physics, High Energy Physics, Phenomenology.</b>		
<b>Publications (Top Ten):</b>  1. Observation of flow angle and flow magnitude fluctuations in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV at the LHC, ALICE Collaboration, Journal: Physical Review C, 107, L051901. DOI: <a href="https://doi.org/10.1103/PhysRevC.107.L051901">https://doi.org/10.1103/PhysRevC.107.L051901</a>  2. Polarization of $\Lambda$ and anti- $\Lambda$ hyperons along the beam direction in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV at the LHC, ALICE Collaboration, Journal: Physical Review Letters, Volume 128, No. 172005. DOI: <a href="https://doi.org/10.1103/PhysRevLett.128.172005">https://doi.org/10.1103/PhysRevLett.128.172005</a>  3. Probing the profile of bulk matter in p+Pb Collisions via directed flow of heavy quarks, Md. Rihan Haque, Subhash Singha and Bedangadas Mohanty, Journal: Physical Review C, Volume 104, No. 024901. DOI: <a href="https://doi.org/10.1103/PhysRevC.104.024901">https://doi.org/10.1103/PhysRevC.104.024901</a>  4. Constraining the Chiral Magnetic Effect with charge-dependent azimuthal correlations in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ and 5.02 TeV, Md. Rihan Haque for the ALICE Collaboration, Journal: Journal of High Energy Physics, Volume 2020, No. 160. DOI: <a href="https://doi.org/10.1007/JHEP09(2020)160">https://doi.org/10.1007/JHEP09(2020)160</a>  5. Systematic investigation of azimuthal anisotropy in Au+Au and U+U collisions at $\sqrt{s_{NN}} = 200$ GeV., Md. Rihan Haque, Md. Nasim and Bedangadas Mohanty, Journal of Physics		

6. Measurement of elliptic flow of light nuclei at  $\sqrt{s_{NN}} = 200, 62.4, 39, 27, 19.6, 11.5,$  and  $7.7$  GeV at the BNL Relativistic Heavy Ion Collider, Md Rihan Haque (for STAR Collaboration), Journal: Physical Review C 94, 034908. DOI: <https://doi.org/10.1103/PhysRevC.94.034908>
7. Centrality dependence of identified particle elliptic flow in relativistic heavy- ion collisions at  $\sqrt{s_{NN}}=7.7-62.4$  GeV, STAR Collaboration, Journal: Physical Review C C 93, 014907.  
DOI: <https://doi.org/10.1103/PhysRevC.93.014907>
8. Probing Pb+Pb collisions at  $\sqrt{s_{NN}} = 2760$  GeV, with spectators, Vipul Bairathi, Sandeep Chatterjee, Md. Rihan Haque, Bedangadas Mohanty, Journal: Physics Letters B, Volume 754, No. 144. DOI: <https://doi.org/10.1016/j.physletb.2016.01.025>
9. Fluctuating initial condition and smoothening effect on elliptic and triangular flow, Md. Rihan Haque, Victor Roy, A. K. Chaudhuri, Journal: Physical Review C 86, 037901.  
DOI: <https://doi.org/10.1103/PhysRevC.86.037901>
10. Multiplicity, average transverse momentum and azimuthal anisotropy in U+U collisions at  $\sqrt{s_{NN}} = 200$  GeV using AMPT model, Md. Rihan Haque, Zi-Wei Lin, Bedangadas Mohanty, Journal: Physical Review C 85, 034905. DOI: <https://doi.org/10.1103/PhysRevC.85.034905>
11. Elliptic and Triangular flow in asymmetric heavy-ion collisions, Md. Rihan Haque, Md. Nasim, Bedangadas Mohanty, Journal: Physical Review C 84, 067901. DOI: <https://doi.org/10.1103/PhysRevC.84.067901>

**Paper Presented/Attended/Resource Person in Seminar/Conference/Workshops/  
FDP's (Top Ten):**

1. DAE-BRNS Symposium on High Energy Physics; 14-18 December 2020, NISER, India. Activity: Conference contribution (Oral).
2. QCD workshop: Dynamics of QCD matter; 15-17 August 2019. Activity: Workshop contribution (Oral).
3. CF workshop: Opportunities and Challenges with 2018 data; Sept. 24-25th, 2018. Activity: Workshop contribution (Oral).
4. Quark Matter 2018 International Conference; 13–19 May, 2018; Venezia, Italy. Activity: Conference contribution (Oral).
5. 6th Asian Triangular Conference ATHIC 2016; IIC, New Delhi. Activity: Conference contribution (Oral).
6. 7th International Conference on Physics & Astrophysics of Quark Gluon Plasma, 2–6 February, 2015; Kolkata, India. Activity: Conference contribution (Oral).
7. XXI DAE-BRNS High Energy Physics Symposium, 8–12 December, 2014; IIT Guahati. Activity: Conference contribution (Oral).
8. Quark Matter 2014 International Conference (Highest conference in our field); 19–24 May, 2014; Darmstadt, Germany. Activity: Conference contribution (Oral).
9. The Berkeley School on Collective Dynamics in High Energy Collisions, 14–18 May, 2012; Berkeley, USA. Activity: Workshop contribution (Oral).

**Other details(if any):**