

Curriculum Vitae

Name	Md Rihan Haque	
Designation	Assistant Professor	
Department	Physics	
Institution	Jangipur College, Murshidabad, West Bengal	
Mobile	+91 9778113810	
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Academic Qualification		
Examination	College/University	Year of Passing
B.Sc	University of Kalyani, West Bengal, India	2008
M.Sc	IIT (ISM) Dhanbad, Jharkhand, India	2010
Ph.D	NISER Bhubaneswar, Odisha, India	2015
Teaching / Research Experience		
Organization / Institution	Designation	Duration
Utrecht University, Netherlands	Postdoctoral Fellow	2016 - 2019
Warsaw University of Technology, Poland	Assistant Prof. (Research), & Assistant Prof.	2020 - 2022
GSI Darmstadt, Germany	Research Scientist	Feb - Nov, 2023
Area of Specialization: Nuclear and Particle Physics, High Energy Physics, Phenomenology.		
Publications (Top Ten):		
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: https://doi.org/10.1103/PhysRevC.107.L051901		
2. Polarization of Λ and anti- Λ 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: https://doi.org/10.1103/PhysRevLett.128.172005		
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: https://doi.org/10.1103/PhysRevC.104.024901		
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: https://doi.org/10.1007/JHEP09(2020)160		
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 G: Nuclear and Particle Physics, Volume 46, No. 8. DOI: https://doi.org/10.1088/1361-6471/ab2ba4		

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):