

Sayak Dutta

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Personal Information

Date of Birth 📅 April 19, 1997
Gender 📅 Male
Nationality 📅 Indian

Education

2020- 📅 **Ph.D., Inter-University Center for Astronomy and Astrophysics**
Thesis title: *Probing the circumgalactic medium of the low-redshift galaxies.*
2018 – 2020 📅 **M.Sc. Physics, Indian Institute of Technology, Guwahati.**
Thesis title: *Role of modified gravity in galactic rotation curves.*
2015 – 2018 📅 **B.Sc. Physics (Hons.), University of Calcutta.**
First class.

Academic achievements and awards

2015 📅 INSPIRE Scholarship, Dept. of Science and Technology - India
2018 📅 JP Chaliha Merit-cum-Means Award, IIT Guwahati
2019 📅 Qualified the National Eligibility Test (NET), India
2020 📅 CSIR Junior Research Fellowship, India
2022 📅 CSIR Senior Research Fellowship, India

Research Publications

- 1 S. Dutta, S. Muzahid, J. Schaye, *et al.*, “MUSEQuBES: mapping the distribution of neutral hydrogen around low-redshift galaxies,” vol. 528, no. 2, pp. 3745–3766, Feb. 2024. 📄 DOI: 10.1093/mnras/stae206. arXiv: 2303.16933 [astro-ph.GA].
- 2 S. Mishra, S. Muzahid, S. Dutta, R. Srianand, and J. Charlton, “Characterizing cool, neutral gas, and ionized metals in the outskirts of low-z galaxy clusters,” vol. 527, no. 2, pp. 3858–3875, Jan. 2024. 📄 DOI: 10.1093/mnras/stad3454. arXiv: 2305.05698 [astro-ph.GA].

Conferences

November, 2022 📅 Young Astronomers’ Meet (Contributed Talk)
February, 2024 📅 42nd Meeting of the Astronomical Society of India (Contributed Talk)
April, 2024 📅 Spring Symposium, Space Telescope Science Institute (STScI) (Contributed Poster)