





Koothodil Abhijith Augustine

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 <https://koothodilabhijithaugustine.github.io/>







Employment History

- 2023 –  **Graduate Student Research Assistant**, Institute of Astronomy, National Tsing Hua University, Hsinchu, Taiwan.
- May - June 2019  **Bellboy**, A nameless hotel, Thiruvananthapuram, Kerala, India.



Education

- 2023 –  **Ph.D. in Astronomy**, Institute of Astronomy, National Tsing Hua University, Hsinchu, Taiwan
Advisor: Prof. Chang, Hisang-Kuang
- 2021 – 2023  **M.Sc. in Physics**, at The Department of Physics, Sant Longowal Institute of Engineering and Technology, Punjab, India.
Thesis title: *Exploring the JWST PRIMER Catalog: An Investigation of Infrared Galaxies*.
Advisor: Prof. S.S. Verma
- 2018 – 2021  **B.Sc. in Physics**, at The Department of Physics, University College, The University of Kerala, Thiruvananthapuram, Kerala, India.
Thesis title: *Effect of Aerosol Absorption Coefficient on Solar Flux*.
Advisor: Dr. S. Bindu

Skills




- Languages  English, Malayalam, Telugu, Hindi and a basic proficiency in Tamil and French.
- Coding  Python.
- Astro. Software  XSpec, MEGALib.
- Misc.  Academic research, tutoring cousins while in school, \LaTeX typesetting.

Conference Presentations





- 1 K. A. Augustine and H.-K. Chang, “An anti-correlation found between Photon Index and Flux in a long-term study of The Crab,” in *The 2024 Scientific Assembly of the Astronomical Society of the Republic of China (ASROC2024)*, National Changhua University of Education, Changhua, Taiwan, 2024.  URL: <https://shorturl.at/B31kT>.
- 2 K. A. Augustine and H.-K. Chang, “Spectral Analysis of Pulsars detected in the Swift BAT 157- Month Hard X-ray Survey,” in *2024 Annual Meeting of the Physical Society of Taiwan*, Oral Contestant in Astrophysics, Gravity and Cosmology session, National Central University, Taoyuan, Taiwan, 2024.  URL: <https://tps2024.conf.tw/download/1538/File1/116593.pdf>.

Miscellaneous

Awards and Achievements

- 2017  **Valedictorian**, 12th standard best outgoing student at St. Mary's Higher Secondary School, Mullenkolly, Kerala, India.
-  **CIGI, Calicut**, Selected to represent 300 students my higher secondary school to guide them in choosing their career. Attended a 5-day camp in The Centre for Information and Guidance India (CIGI), at Kozhikode, Kerala as part of this.
- 2015  **Valedictorian**, Proficiency Award in 10th class for scoring the highest grades at Little Flower High School,T. Sundupalli, Andhra Pradesh, India.

Activities

- 2017-2023  **Seminars** Participated and organised multiple National and International Seminars during my undergraduate and postgraduate studies.
- 2021  **IUCAA-ISSAA, 2021**, Participated in Introductory Summer School Programme conducted by Inter-University Centre for Astronomy and Astrophysics, Pune from May 10 - June 11, 2021.
- 2018-2021  **WWS**, Was part of Walk With a Scholar(WWS), a mentoring programme for undergraduate students. Attended lectures of many eminent scientists from ISRO., and listened to talks by numerous Civil Service Officers and Emeritus Professors from top educational institutions and research organisations.
- 2015-2017  **NSS**, I was a part of the National Service Scheme (A scheme by Indian government public sector service program conducted by the Ministry of Youth Affairs) during Standard XII and participated in various extracurricular activities. We conducted a organ and blood donation drive, experienced green farming on first hand basis, uplifted a tribal camp etc. Attended a self organised 7-day camp of 50 students during Christmas, 2016.

References

Prof. Chang, Hsiang-Kuang
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National Tsing Hua University,
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Prof. S.S.Verma
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