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# Prince Bhaura

Curriculum Vitaé

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## Research Interests

Particle & Astro-Particle Physics; Dark Matter Direct Detection

## Education

**H.B.Sc.**, Astronomy & Physics Specialist, University of Toronto (UofT) Sept 2017 – June 2021
Undergraduate thesis entitled "*What Local Magnetic Fields Can Teach Us About A Possible Supernova Remnant (G182.5-4.0)*" supervised by Dr. Jennifer West, Jessica Campbell, & Prof. Bryan Gaensler

## Publications

1. J. L. West, J. L. Campbell, **P. Bhaura**, et al., "*Discovery of a Peculiar Filamentary Structure Connected to the Coherent Magnetic Field in the Outer Galaxy,*" 2022, ApJ, 941, 6 (13 pages)

## Research Experience

### Undergraduate

2021 – 2022 **Undergraduate Research Assistant (Part-Time)**, UofT
"*Discovery of a Peculiar Filamentary Structure Connected to the Coherent Magnetic Field in the Outer Galaxy*" supervised by Dr. Jennifer West.
2022, ApJ, 941, 6 (13 pages)

2020 – 2021 **Undergraduate Research Course**, UofT
"*What Local Magnetic Fields Can Teach Us About A Possible Supernova Remnant (G182.5-4.0)*" supervised by Dr. Jennifer West, Jessica Campbell, & Prof. Bryan Gaensler.
Written Reports

## Scientific Presentations

### Presentations

April 2021 **Undergraduate Research Course** (presentation); UofT (*virtual*)

## Extracurricular Activities

### Academic Service

2017 – 2020 **Physics Student Union (Junior Member)**, UofT
2018 **Volunteer Note Taker**, Accessibility Services, UofT
2017 – 2018 **University of Toronto Amateur Astronomer's Society (Junior Member)**, UofT

### Programs

2022 **GUINEAPIG Workshop on Light Dark Matter**, TRIUMF (*virtual*)
2022 **Summer Particle Astrophysics Workshop**, Arthur B. McDonald Research Institute (*virtual*), (link)
2021 **ACT Data School**, UofT (*virtual*), (link)
2020 – 2021 **Undergraduate Mentorship Program**, Dunlap Institute, UofT (*virtual*)