

## M.Sc. Position in Astroparticle Physics Phenomenology

Applications are invited for a M.Sc. position in astroparticle physics phenomenology in the Department of Physics and Astronomy at York University, to start in Winter or Summer 2021. The successful candidate will work with Prof. Nassim Bozorgnia on dark matter phenomenology, and more specifically on using cosmological simulations of galaxy formation to obtain information about the dark matter distribution, and study implications for direct and indirect dark matter searches.

The successful candidate will have the opportunity to work in an interdisciplinary research and training environment, acquire expertise in theory, data analysis, and numerical methods, and become involved in collaborations with prominent scientists in astroparticle physics communities nationally and internationally. The candidate will receive their degree from York University, which is the third largest university in Canada. York University has an established international reputation as a research-intensive university committed to access and a student learning experience of the highest quality.

Candidates should have interest in astroparticle physics phenomenology. By the start of the M.Sc. position, the successful candidate should possess a B.S. degree in physics or astronomy.

Candidates from underrepresented groups in physics, especially women, visible minorities, Indigenous peoples, and persons with disabilities are strongly encouraged to apply.

Interested applicants should send their CV to Prof. Nassim Bozorgnia ([nassimb@yorku.ca](mailto:nassimb@yorku.ca)).

**Application deadline:** The official application deadline for the Graduate Program in the Department of Physics and Astronomy is October 10th for Winter admission. However, preference will be given to earlier applications.

For York University's graduate studies in Physics and Astronomy application procedure please visit:

<https://www.physics.yorku.ca/how-to-apply/>