Ph.D. position in Theoretical Astrophysics at Perimeter Institute

Applications are invited for one or more PhD positions in gravitational-wave and multi-messenger astrophysics at Perimeter Institute for Theoretical Physics and the University of Guelph, to start Fall 2020 or earlier. Successful applicants will work with Assistant Professor Daniel Siegel on numerical simulations of compact binary mergers and associated electromagnetic counterparts. One position will be linked to the Canadian Astroparticle Physics Research Institute (Arthur B. McDonald Institute) and explore the interface of neutron star mergers and neutrino physics.

Successful applicants will benefit from Perimeter's thriving international and multi-disciplinary research community with ample opportunity to collaborate within and across fields. They will be embedded in a unique combination of Perimeter's strong gravity community, the newly established Gravitational Waves Initiative, as well as the Astrophysics and Gravitation Group at the University of Guelph. More information on PhD opportunities at Perimeter can be found here.

Evaluation criteria for the positions include academic record, prior research experience relevant to the position as well as commitment to fostering an inclusive research environment. Candidates from underrepresented groups in theoretical astrophysics are strongly encouraged to apply. Successful candidates will receive their degree from the University of Guelph, one of Perimeter's partnering universities.

Interested candidates must typically hold a MSc degree in Physics and need to apply through the Guelph-Waterloo graduate program, the largest physics & astronomy graduate program in Canada: https://www.physics.uoguelph.ca/graduate-studies/prospective-graduate-students. In addition, interested candidates should submit a cover letter to dsiegel@pitp.ca summarizing the candidate's motivation for this PhD position as well as prior research experience relating to gravitational-wave and multi-messenger astrophysics. Candidates should also comment on their numerical and computational skills. Deadline for applications is **February 1st, 2020**. Late submissions may be considered until the positions are filled.