

MSc and PhD positions

Dark matter searches and cryogenic detectors

Queen's University

The Department of Physics, Engineering Physics and Astronomy at Queen's University, Kingston, Ontario (<http://www.physics.queensu.ca/>), is looking for outstanding MSc and PhD students in the experimental fields of dark matter search and cryogenic detectors. Though dark matter makes up the majority of matter in the Universe, its nature remains unknown. The department is expanding its involvement in the CDMS experiment, one of the leading searches for dark matter (<http://cdms.phy.queensu.ca/>). Areas of activity include active participation in the CDMS/SuperCDMS experiment, cryogenic detector development and testing at the Queen's test facility, establishment of an underground test facility at SNOLAB (<http://www.snolab.ca/>), R&D on cryogenic scintillation detectors, and applications of cryogenic detectors to materials science. Expected starting dates range from January to July 2010. An experimental background in a related field is preferred from candidates for the PhD position, and would be an asset for candidates for the MSc position.

MSc and PhD candidates will have to apply through the Queen's school of graduate studies, but it is recommended to send a brief CV and cover letter stating research interests in pdf format, along with the contact information of two references, to the two addresses below prior to the official application process. Review of applications will continue until the positions are filled.

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Queen's University thanks all who express an interest and advises that only those selected for an interview will be contacted. Queen's University has an employment equity programme, welcomes diversity in the workplace and encourages applications from all qualified candidates, including individuals from all nationalities, women, aboriginal peoples, people with disabilities, and racial minorities.