



**Carleton
University**

Department of Physics

Dr. Kevin Graham, Professor
1125 Colonel By Drive
Ottawa, ON, K1S 5B6
CANADA

Machinist/Technician Position with Carleton University

The experimental particle physics group at Carleton University is seeking a

- machinist/technician

to work in close collaboration with the experimental physicists in our group on the development, testing, fabrication, assembly, and maintenance of components for use with particle detectors.

We seek candidates who have expertise with

- various fabrication tools such as lathe, CNC milling machine, water jet cutting machine
- utilization of CAD drawings
- ability and experience with welding and brazing could be useful
- assembling, disassembling, maintaining mechanical systems
- experience with vacuum pump and cryogenic systems would be an asset

The successful candidate will be expected to interact with vendors for procurement and manage and maintaining the machine shop. The position will entail work contributing to particle physics projects across Canada.

The Carleton Technical team includes a designer and electronics expert along with an additional set of technical personnel associated with the McDonald Institute. The position will include interaction with these technical personnel along with students and postdoctoral fellows on a variety of research projects.

The Carleton particle physics group has a wide experimental program that includes experiments in Geneva at CERN (ATLAS) and Sudbury (SNOLAB). We are actively involved in detector development for experiments to be located at SNOLAB, for tracking chamber design for a new initiative known as the International Linear Collider, and detector upgrades for ATLAS as well as major initiatives for next-generation detectors such as HyperKamiokande's water Cherenkov test experiment at CERN. More information on our research activities can be found at:

<http://www.physics.carleton.ca/research/>

We are interested in candidates who have a minimum of five or more years of experience in a relevant research or industrial environment. The position is based in Ottawa although travel to the experimental sites may occasionally be required with expenses covered by the project. Candidates interested in this position should send a CV and arrange to have three letters of recommendation sent to:

Prof. Kevin Graham
Department of Physics
3302 Herzberg Laboratories
Carleton University
Ottawa Ont, CANADA K1S 5B6

Email: Kevin_Graham@carleton.ca

Carleton University is strongly committed to fostering diversity within its community as a source of excellence, cultural enrichment, and social strength. We welcome those who would contribute to the further diversification of our University including, but not limited to: women; visible minorities; First Nations, Inuit and Métis peoples; persons with disabilities; and persons of any sexual orientation or gender identity and expressions.

We are a community of talented, committed and enthusiastic faculty and staff, dedicated to excellence and to supporting the education and research that distinguishes Carleton as Canada's Capital University. We know that it is our people that are key to Carleton's success.