



# OTTAWA - CANADA

Études supérieures en physique

University of Ottawa and Carleton University

***A global technology centre and home to national research facilities and institutions, Ottawa provides an ideal setting for graduate studies in physics.***

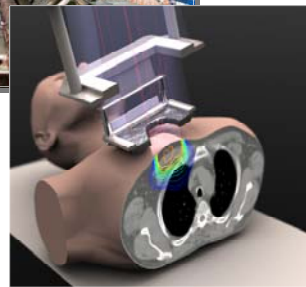
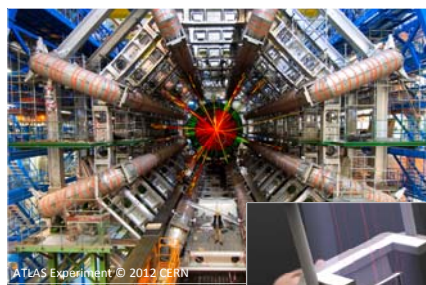


As Canada's capital, Ottawa benefits from a safe but spirited downtown core filled with an array of galleries, museums, restaurants, festivals and events. In addition to its urban appeal, the city is balanced by wide open green spaces, nearby parks, forests and lakes, and over 170 km of hiking and biking trails. It is also home to the world's largest skating rink which runs alongside both university campuses.

## The Ottawa-Carleton Institute for Physics (OCIP)

combines the research strengths of the University of Ottawa and Carleton University by linking their M.Sc. and Ph.D. programs. This unity provides a wide range of research possibilities that are enhanced by 49 regular faculty members and 34 adjunct professors in local institutions such as the National Research Council, the Communications Research Centre, medical facilities and industry. Graduate students are guaranteed financial support through teaching and research assistantships.

**Carleton University** specializes in particle physics and medical physics. Activities in particle physics include ATLAS at the CERN laboratory, SNOLab experiments and detector development as well as theoretical studies in strong and electroweak interactions, extensions of the standard model, quark models, particle astrophysics, and string theory. Medical physics research activities include cancer radiation therapy, medical biophysics especially radiobiology, and imaging including optical, mri, x ray, SPECT, and PET. The Ph.D. program in medical physics is accredited by CAMPEP.



**The University of Ottawa** offers research programs in photonics, biological physics and condensed matter physics. Areas investigated include: ultra fast photonics, fibre optics, biophotonics, nanostructures, solar cells, cell mechanics, microfluidics, soft matter, biomaterials, neurophysics, high pressure physics, geophysics, and novel alloys.



**L'Université d'Ottawa** offre des programmes de recherche en photonique, physique biologique et physique de la matière condensée. Les domaines de spécialisation comprennent: la photonique ultra-rapide, la fibre optique, les nanostructures, les cellules solaires, la biophotonique, la mécanique des cellules, la microfluidique, la matière molle, les matériaux biologiques, la neurophysique, les hautes pressions, la géophysique et les nouveaux alliages.

For information, go to:

[www.physics.carleton.ca](http://www.physics.carleton.ca) | [www.physics.uottawa.ca](http://www.physics.uottawa.ca)