



Contribution ID: 1498

Type: **Oral (Non-Student) / orale (non-étudiant)**

## My research in computational atomic physics

*Tuesday 14 June 2016 14:00 (15 minutes)*

In atomic physics, the many-body problem is computationally challenging. When theory is well understood, accurate calculations can predict results that may be difficult to measure experimentally. For heavy elements or highly ionized systems, relativistic and quantum electrodynamic effects, not to mention nuclear effects, are less well understood and computation can assess the limitation of theory when results are compared with those from experiment.

This talk will describe how an honours degree in mathematics and chemistry from the University of British Columbia led to research in computational atomic physics.

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**Session Classification:** T2-8 Doing Physics-doing Gender: Should gender issues be of any importance in the physics community? (CEWIP) / Physique et genre : les questions de genre devraient-elles avoir de l'importance dans la communauté de physique? (CEFEP)

**Track Classification:** Women in Physics / Femmes en physique (CEWIP-CEFEP)