



**Canadian Nuclear Society  
Soci t  Nucl aire Canadienne  
Ottawa Branch**

**Ernest Rutherford and the Nobel Prize**

by

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2008 is the centennial of the Nobel Prize *in Chemistry* awarded to Ernest Rutherford: "for his investigations into the disintegration of the elements, and the chemistry of radioactive substances."

It is seldom appreciated that Rutherford carried out this research whilst at McGill University from 1898 to 1907, making his the first award of a Nobel Prize for research carried out in Canada.

This presentation will describe that work, related work before and after, and why one of the greatest physicists of all time never received a Nobel Prize *in Physics*. After all, Rutherford later showed that the atom had a nuclear structure, developed a detector to detect individual radioactive decays, proposed that the neutron had to exist, was the first to split the atom, and led the group who built the first particle accelerator to artificially induce a nuclear reaction.

Date: **Tuesday, October 21st**  
Time: 7:00 pm.  
Location Air Force Mess (Astra Lounge, Main Floor)  
158 Gloucester St. (between Bank and O'Connor)

Cash bar available.

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**- ALL WELCOME -**