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Type: **Parallel Session talk**

Subatomic Physics Education and Outreach in Newfoundland

Thursday 8 August 2019 12:15 (12 minutes)

Summary

A physics education provides students with a valuable and flexible skill set that opens doors to a wide variety of career paths, including industry, education and finance. However, physics is almost universally unpopular in our local schools, especially among girls. The talk will describe a long-term scientific and cultural outreach program we developed for youth in Canada, Newfoundland, especially rural youth, girls and Indigenous students. We feature female and Indigenous role models, engage Indigenous story-telling, discuss a wide range of career opportunities, and emphasise a diverse set of skills required in modern science such as cooperation and communication. As these students enter our physics program which is specifically developed to focus on subatomic physics, we engage them in research as early as their second year, making sure they are well prepared to continue at graduate schools in both theory and experiment.

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