

Bringing Astroparticle Physics to the Classroom

Monday, August 19, 2024 11:20 AM (10 minutes)

Astroparticle Physics is an exciting science at the forefront of answering fundamental questions about the Universe. The public can be intimidated by this field, as it is not a topic traditionally included in one's typical education. Nevertheless, the field needs continued exposure to gain interest from up-and-coming scientists. This summer, I addressed this gap between physicists and the public's knowledge of astroparticle physics through lesson plans for teachers. By incorporating direct curriculum ties, we empower teachers to showcase astroparticle physics in their classrooms. By directly tying content to established concepts, such as dynamics and energy conservation, students can learn about this field and connect it to the fundamentals of physics. Using these lesson plans, astroparticle physics is less daunting for teachers and more accessible for students to learn, while showcasing Canada's leading achievements in modern research through fun activities. In this talk, I will present my approach and give the audience a quick taste of what these activities look like in the classroom.

What area of study best describes your talk?

Science Communication

If you answered 'Other', please provide the study area.

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