

ESPC 2012 - Charlottetown (Île-du-Prince-Édouard)



Anna O'Grady

Unveiling Dark Matter: A Study of Dark Matter and its Effects on Galaxy Clusters

Défi: Découverte

Catégorie: Sénior

Région: Eastern Newfoundland

Ville: St. John's, NL

École: Bishops College

Sommaire: For my science project, I studied the various physical properties of a galaxy cluster, and through my observations, I was able to infer the existence of dark matter. In my project I retrieved data from an astronomical database, transformed the observed values into physical data, and finally calculated the kinetic and gravitational energies of the galaxy cluster.

Biographie

Hi, I'm Anna O'Grady, and I'm a Grade 12 student from Bishops College, Newfoundland. In school I've completed my Physics public course, and this year I'm taking my Chemistry public course. I have an interest in good music and movies, and a strong interest in anything science. My main field of science is astronomy and astrophysics, something that I hope to see myself doing as a career. Last year at the CWSF, I received a Silver Medal, the Canadian Association of Physics Award, and I had the distinct honor of attending the International Summer School for Young Physicists - an experience I will never forget. At the regional science fair this year in Newfoundland, I was the Best in Fair, and I also received an award from the Royal Astronomical Society of Canada. Outside of school, I volunteer at my church every Sunday, and I've been taking piano lessons for twelve years.

Prix

Valeur

Prix en physique de l'ACP - Sénior	1 000,00 \$
Commanditaire: Association canadienne des physiciens et physiciennes	
Prix d'excellence - Senior - Médaille d'argent	700,00 \$
Commanditaire: Sciences jeunesse Canada	
Bourses d'admission de la Faculté des sciences de l'Université Dalhousie	2 500,00 \$
Médaillé d'argent, sénior - Bourse d'admission de 2 500 \$	
Commanditaire: Université Dalhousie, Faculté des sciences	
Prix d'admission en sciences de UBC (Vancouver)	2 000,00 \$
Médaillé d'argent, sénior - Bourse d'admission de 2 000 \$	
Commanditaire: The University of British Columbia (Vancouver)	
Bourse d'admission de l'Université d'Ottawa	2 000,00 \$
Médaillé d'argent, sénior - Bourse d'admission de 2 000 \$	
Commanditaire: Université d'Ottawa	
Bourse d'études de Western University	2 000,00 \$
Médaillé d'argent - Bourse d'admission de 2 000 \$	
Commanditaire: Université Western	
Total	10 200,00 \$