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To Answer "What's Next After the Higgs," Visit Canada

New Summer School Offers Students Training on Hottest Topics in Particle Physics

(Vancouver, BC) --- Graduate students around the world who are pursuing particle physics now have a new destination for expanding their knowledge and sharpening their skills: Canada. This summer, the Tri-Institute Summer School on Elementary Particles (TRISEP) will be inaugurated with a cohort of students travelling to Vancouver to master the pioneering topics of collider physics, neutrino physics, dark matter, Monte-Carlo simulation, and physics beyond the Standard Model.

The new international summer school is convened by Canada's three subatomic physics powerhouses: TRIUMF in experimental particle physics, Perimeter Institute in theoretical physics, and SNOLAB in deep underground physics. Taken together, these three institutions not only give Canada a competitive advantage on the world stage, but they also give international students an opportunity to learn about and then pursue the hottest science topics with some of the leaders.

"This summer school is an opportunity for the most inquisitive minds on the planet to gather with some of the leading thinkers to learn, challenge, and grow," said Nigel S. Lockyer, director of TRIUMF, Canada's national laboratory for particle and nuclear physics.

A recent independent analysis by the Council of Canadian Academies showed that Canada is one of the world's top six national performers in terms of physics and astronomy (driven by particle and nuclear physics) as measured by bibliometric analysis and surveys of international scientists.

As director of SNOLAB, Nigel Smith added, "I am thrilled to be involved in this program. With one of the world's deepest and cleanest underground laboratories, Canada is inviting the world to propose and develop the best experiments to drive breakthrough discovery and to inspire the next generation of researchers."

"Canada's growth into a world leader in basic physics is very exciting. This summer school is a collaborative enterprise between SNOLAB, TRIUMF, and Perimeter Institute to attract top students globally and prepare them to become leaders in the field," said Neil Turok, director of the Perimeter Institute for Theoretical Physics.

The launch of the new Tri-Institute Summer School on Elementary Particles is being overseen by Anadi Canepa, Oliver Stelzer-Chilton, David Morrissey, Itay Yavin, Cliff Burgess, Bernd Stelzer, and Nigel Smith.

With the joined forces of the three leading institutes, this new school is set out to inspire the next generation of researchers.

To learn more about the school or register to participate, please visit http://www.trisep.ca.

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About Perimeter Institute

Perimeter Institute for Theoretical Physics is an independent, non-profit, scientific research organization working to advance our understanding of physical laws and develop new ideas about the very essence of space, time, matter, and information. Located in Waterloo, Ontario, Canada, Perimeter also provides a wide array of research training and educational outreach activities to nurture scientific talent and share the importance of discovery and innovation among students, teachers, and the general public. I n partnership with the Governments of Ontario and Canada, Perimeter is a successful example of public-private collaboration in scientific research, training, and outreach. http://www.perimeterinstitute.ca/

About SNOLAB

SNOLAB is Canada's leading edge astroparticle physics research facility located 2 km underground in the Vale Creighton Mine. The SNOLAB facility was created by an expansion of the underground research areas following on from the highly successful Sudbury Neutrino Observatory (SNO) experiment. The entire laboratory is deep to shield from cosmic radiation, and is operated as an ultra-clean space to limit local radioactivity, providing an ideal location for measurements of extremely rare processes and interactions that would otherwise be unobservable. Measurements are planned by a number of international collaborations searching for the dark matter particles left from the Big Bang, and to further study and understand the elusive neutrino particles from natural and man-made sources. The facility is operated through the auspices of the SNOLAB Institute Council whose member institutions are Carleton University, Laurentian University, Queen's University, University of Alberta, and Université de Montréal. http://www.snolab.ca

About TRIUMF

TRIUMF is Canada's national laboratory for particle and nuclear physics. Together with its partner AAPS, Inc., TRIUMF also seeks to commercialize its technologies for the benefit of all Canadians. Located on the south campus of the University of British Columbia, TRIUMF is owned and operated as a joint venture by a consortium of the following Canadian universities, via a contribution from the federal government through National Research Council Canada: University of Alberta, University of British Columbia, University of Calgary, Carleton University, University of Guelph, University of Manitoba, McMaster University, Université de Montréal, University of Northern British Columbia, Queen's University, University of Regina, Saint Mary's University, Simon Fraser University, University of Toronto, University of Victoria, University of Winnipeg , and York University. http://www.triumf.ca