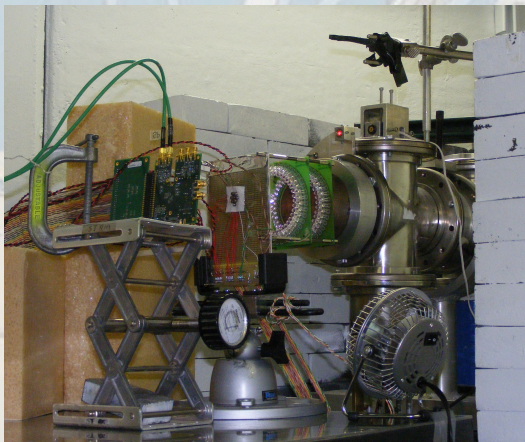


Invent and Innovate

In the Optoelectronics lab at SMU, fun and challenging hardware projects need creative minds.



Testing of lasers for optical data transmission



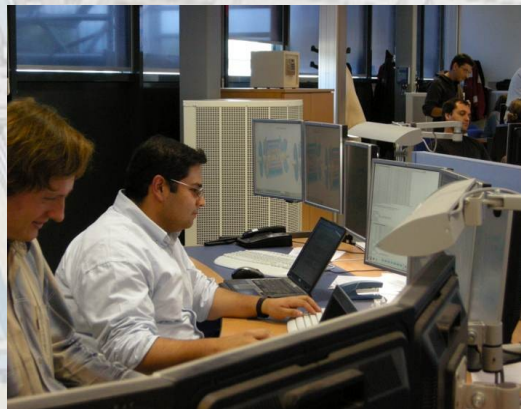
Test of electronics performance in high radiation environment

Contribute to New Discoveries

Study phenomena at the origin of space and time at futuristic particle colliders

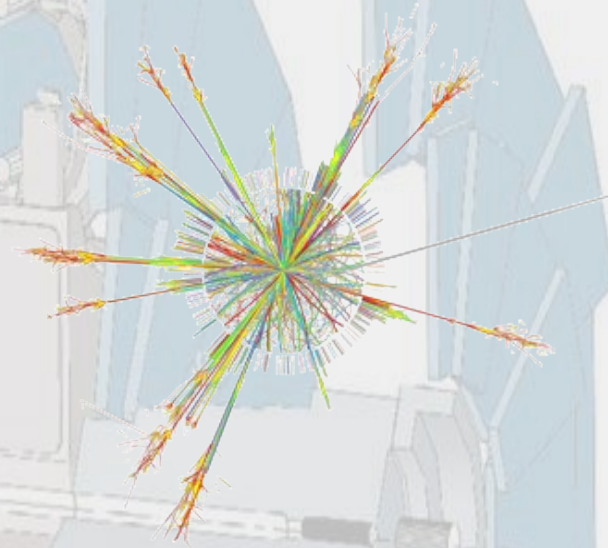


Rozmin Daya in the experiment control room during the first proton beams at Large Hadron Collider



Ryan Rios taking ATLAS data at the Large Hadron Collider

Graduate Studies in Physics at SMU



Make history at the Large Hadron Collider together with the SMU team

Department of Physics

Southern Methodist University

Dallas, TX 75275

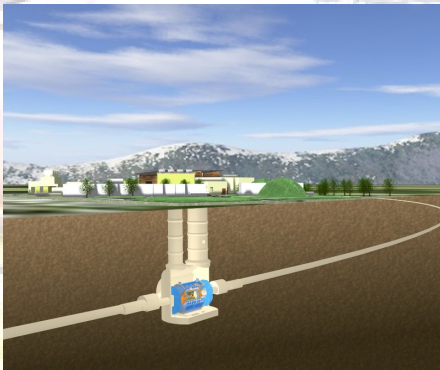
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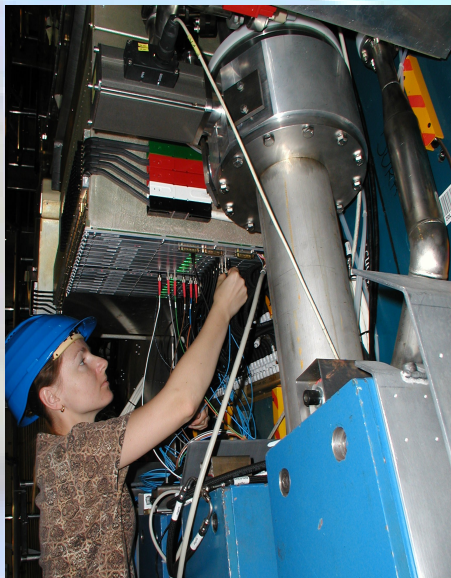
<http://www.physics.smu.edu/>

Get a Valuable Graduate Degree

Our department offers a nationally recognized program of M. Sc. and Ph. D. studies in experimental and theoretical particle physics



The ATLAS detector below Geneva, Switzerland



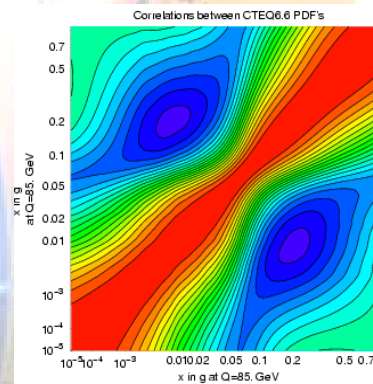
SMU physicists working in ATLAS

Choose Your Professional Career

Become an experimentalist:

- Join the ATLAS experiment at the Large Hadron Collider (LHC) at the European Organization for Nuclear research (CERN);
- Join the DØ experiment based at the Fermi National Accelerator Laboratory near Chicago;
- Work in the SMU opto-electronics laboratory: R&D for the e-Bubble experiment at the DUSEL facility; R&D for ATLAS upgrades and many other hardware projects.

Become a theorist to work on collider physics in the standard model and beyond, computational lattice QCD, modern data analysis methods.



Assistantships and Students Life

Teaching and Research

Assistantships are available to students in good standing and are given primarily to students who pursue Ph.D. degrees. For exceptional candidates, the department will also award up to two Lightner-Sams Fellowships a year. In addition, the department covers student health insurance and all graduate tuition and fees are waived.

Ph.D. students involved in experiments may have opportunity to reside for extended periods of time at the experiment's site.



Posing in front of Swiss Alps during shifts at CERN