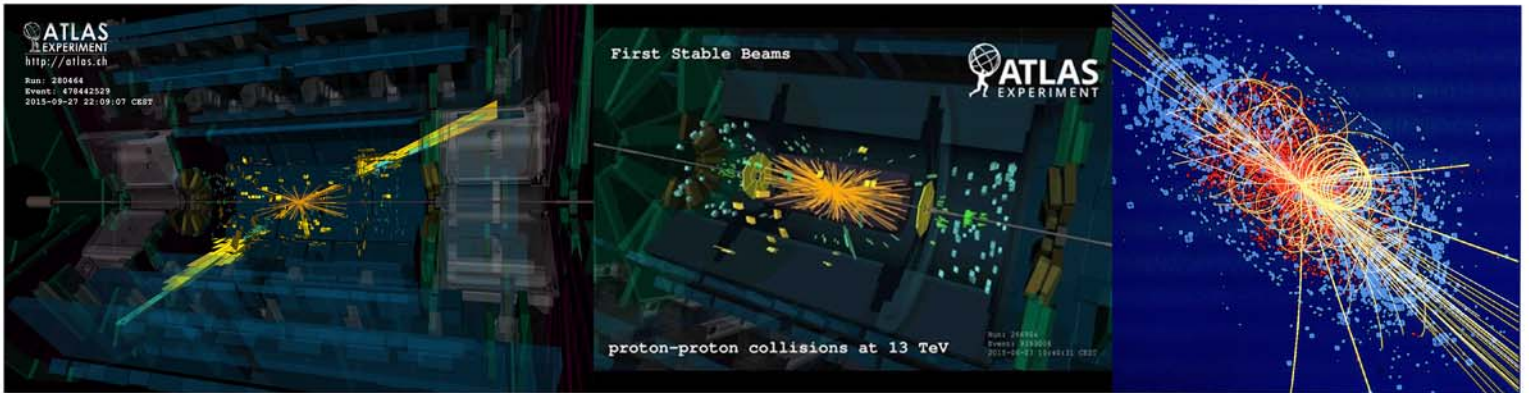




# Discovering New Particles With Dr. Sally Seidel

Discovering new particles involves teams of thousands of people, from dozens of nations, working together to build experimental facilities so large that if they weren't buried deep underground, they would be visible from space. The detectors typically have tens of millions of components specially designed and built for this purpose alone. Why is all of this effort worthwhile? This talk will explain how each new particle has the potential to unlock the answer to a fundamental question about the nature of the universe.



**Sally Seidel is Professor of Physics at the University of New Mexico. Her focus is searches for new physics processes with the ATLAS Experiment at the Large Hadron Collider and development of new instruments for particle detection. In 2014 her group discovered a new particle, the  $B_c(2S)$ .**

**UH Hilo Sciences and Technology Building,  
Room STB-108, Thursday, March 16, 2017, 7-8pm**

**Presented by the University of Hawai'i at Hilo  
Department of Physics & Astronomy  
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