



Physics Colloquium



Thursday, February 26th at 3:40PM in SC 234

Featuring:

Dr. Roy F. Schwitters

Department of Physics

University of Texas at Austin

The UT Austin Maya Muon Project: Applying Tools and Methods of High Energy Physics to Archeology

Attenuation by energy loss through ionization of naturally occurring cosmic ray muons provides a robust physical mechanism for imaging structure inside large, otherwise inaccessible objects such as archeological ruins, including pyramids, and, even, volcanoes. For the past decade, our group has been adapting tools and methods of high energy physics to developing practical detectors and analysis methods for exploring Mayan ruins in Central America and other archeological sites around the world. Results of performance tests and experience gained in this effort will be described.

Refreshments at 3:00PM in SC 103