Look for Dark matter a Mile Underground

Wing To
CSU Stanislaus

Thursday, February 15th
11:10 am - Noon
Building 53 Room 215

Dark Matter has been observed through its gravitational interactions for almost a century. Currently, astronomical and cosmological observations show that dark matter makes up about 85% of the matter in the Universe. Scientists are working to detect dark matter on Earth by building the most sensitive experiment in the world, the LUX/ZEPLIN Experiment. With the installation and commissioning of LUX/ZEPLIN we hope to be the first to find and characterize the elusive dark matter.

Bio Information
Dr. Wing To began his academic career at a California Community College where he transferred to UC, Santa Barbara for his BS in Condensed Matter Physics. He stayed in Santa Barbara to earn a Ph.D in 2012 in High Energy Particle Physics working on the LHC experiment in Geneva, Switzerland. Afterward, he was a postdoc at Case Western Reserved University from 2013-2014 and moved to Stanford University in 2014-2016 to search for dark matter with the LUX/ZEPLIN experiment. Since Fall 2016, he's been teaching as an assistant professor while continuing to work with students at CSU Stanislaus on LUX/ZEPLIN experiment.