COLLOQUIUM AT JEFFERSON LAB

Wednesday, May 1 • 3 p.m. • CEBAF Center Auditorium

Cookies and coffee in the CEBAF Center lobby

THE BELLE II EXPERIMENT AT KEK

Presenter: **Leo Piilonen**
Virginia Tech

Join Professor Leo Piilonen as he describes the second-generation B-factory detector Belle II and accelerator SuperKEKB that have begun operations at the KEK laboratory in Japan. Piilonen will present the status of the experiment, including early physics results from the Phase 2 run in 2018, and prospects for the Phase 3 run that began in March 2019.

Piilonen received his Bachelor of Science in physics from the University of Toronto, his doctorate in nuclear physics from Princeton and completed his postdoctoral at Los Alamos National Lab working on rare muon decays. He has held a faculty position at Virginia Tech since 1987. During his tenure at Virginia Polytechnic Institute and State University, he worked at KEK national laboratory in Japan beginning with the Amy experiment at the TRISTAN electron-positron collider, then the Belle experiment at the KEKB collider and finally, the second-generation Belle II experiment at the SuperKEKB collider. Piilonen led the Virginia Tech team that built the barrel muon detector for Belle and Belle II. He served as the co-spokesperson for the Belle Collaboration from 2012 to 2018. Piilonen is a fellow of the American Physical Society.

Jefferson Lab