

Physics Colloquium

Search for WISPs not WIMPs at Fermilab

William Wester
Fermi National Accelerator Laboratory

New physics has been observed through dark matter and dark energy although we do not know the nature of these phenomena. There are a number of theoretical ideas such as new "Weakly Interacting Massive Particles" (WIMPs) that might indeed account for dark matter. A new possibility of "Weakly Interacting Sub-eV Particles" (WISPs) will be discussed along with small experiments at Fermilab that have already probed interesting regions of parameter space. Who knows, but maybe such crazy experimental tests might reveal a weirdness that happens to be the true nature of the universe.

**Thursday, November 19, 3:30pm,
SCI 234**

refreshments will be served in Sci 103 at 3:00pm