



Physics Colloquium



Thursday, Oct 20th at 3:30 pm in SC 234

Dr. Jeremy Mans
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Drilling for dark matter - Searching for a hidden sector with accelerators

Over the last two decades, the astrophysical evidence for cosmological dark matter has become increasingly strong. The phenomenal success of cosmological models which require dark matter in explaining the CMB power spectrum and astrophysical observations of dynamics which are difficult to explain without it have motivated many attempts to observe the dark matter in our own Solar System, so far without success. I will review the ongoing efforts to produce dark matter with accelerators from the LHC to Jefferson Lab to SLAC and discuss new possible experiments which can cover important new areas in dark matter parameter space.

Refreshments at 3:00 pm in SC 123