



Tuesday

March 20

4:00 P.M.

Rm 415 NSH

Searching for dark matter with bubble chambers

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The PICO dark matter search experiment is a test of the hypothesis that the dark matter consists of particles with weak scale masses and weak interactions with ordinary matter. Vessels filled with various fluids have been used to search for evidence of the scattering of nuclei in superheated liquids by these particles. Results of recent measurements and the next phase of the experiment, which involves a different approach to the bubble chamber technology, will be discussed.