

UNL Department of Physics and Astronomy presents:

Searching for Dark Matter from the Lowest to the Highest Energies

PRESENTED BY
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THURSDAY
APRIL 7
4:00 PM
VIA ZOOM

Refreshments will be served in the JH 1st Floor Vending Area at 3:30

ABSTRACT

Dark Matter (DM) is a long standing puzzle in fundamental physics and the goal of a diverse research program. In underground experiments such as LZ we search for DM directly using lowest possible energy thresholds, at the LHC we seek to produce dark matter at the very highest energies, and using telescopes we look for telltale signatures in the cosmos. I will present an overview of the status of DM searches using these different approaches and their connection before focusing on the status of the LZ direct Dark Matter experiment. LZ is the world's most sensitive DM experiment and is currently taking data.