



Laboratory for Elementary Particle  
Physics (LEPP)

# Theory Seminar

## Finding Dark Matter With Neutron Star Mergers and Thermal Emission



Asymmetric dark matter could be found using the locations of neutron star mergers in galaxies, and by observing a new type of astrophysical event, a “quiet kilonova”. In addition, thermal emission from nearby pulsars can explore dark matter-nucleon scattering with a precision that exceeds any planned direct detection experiment.

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**Wednesday, November 1<sup>st</sup> 2017**

**2:00pm**

***401 Physical Sciences Building***