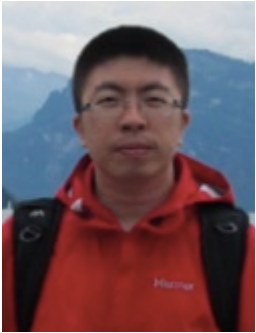


Search For Dark Matter in Terms of Dark Bound States



Yue Zhang

Postdoctoral Fellow

Department of Physics and Astronomy

Northwestern University

Tuesday

May 2

4:00 P.M.

Rm 415 NSH

The non-perturbative effects due to dark matter bound states can have a strong impact on dark matter searches. I will illustrate this point in the context of two hidden sector models interacting with the standard model sector via a vector or the Higgs portal. I will discuss new channels and new directions offered by dark matter bound states, and their implications for indirect, direct detection and collider searches.