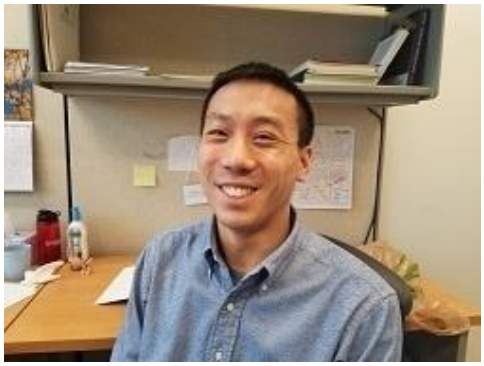
LABORATORY FOR ELEMENTARY-PARTICLE PHYSICS (LEPP)

Theory Seminar



Gabriel Lee

Cornell and Korea U.

Dark Quarkonium Formation in the Early Universe

Dark matter charged under a hidden nonabelian gauge group generically undergoes a confining phase transition in the early universe. Depending on the matter content in the model, this transition can produce a variety of colour singlet states in the confined phase, and these can undergo a second stage of annihilation. It has previously been claimed that this second-stage cross section is geometric. We examine this claim by calculating the cross section using two different methods

Wednesday, Feb. 21, 2018
2:00pm
401 Physical Sciences Building