

LABORATORY FOR ELEMENTARY-PARTICLE PHYSICS (LEPP) Theory Seminar



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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

LEPP, the Cornell University Laboratory for Elementary-Particle Physics, and CHESS resources have merged and a new lab, (CLASSE), has formed. LEPP's primary source of support is the National Science Foundation. Visit us at www.lepp.cornell.edu