

Dark Matter Bound State Formation in a Z_2 model with Light Dark Photon and Light Dark Higgs Boson

Monday, 20 May 2019 16:40 (20 minutes)

In this talk, I will show how to calculate the bound state formation cross section in this model. Unlike the usual calculations, “mono-pole” emission becomes significant, and the process emitting the longitudinal dark photon/Goldstone boson becomes very important in the annihilation processes. I will also show the numerical results.

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