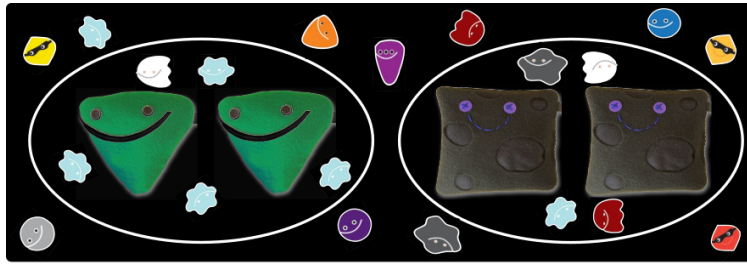


Quarkonia meet Dark Matter



Contribution ID: 5

Type: not specified

Pair annihilation and bound states in a thermal plasma

Tuesday, 15 June 2021 21:40 (40 minutes)

After comparing the physical roles of thermal pair annihilation of non-relativistic particles in QCD and in cosmology, I discuss the tools that can be used for estimating this rate, either perturbatively or through lattice simulations. Subsequently it is illustrated how in strongly coupled systems, bound states may give a large contribution to the thermal pair annihilation rate, even if model details matter quite a bit here.

Presenter: LAINE, Mikko

Session Classification: Main program