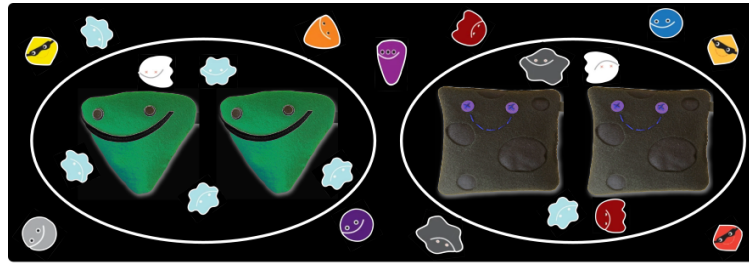


Quarkonia meet Dark Matter



Contribution ID: 6

Type: **not specified**

Quarkonium in medium: a NR EFT approach to dissociation and ricombination

Tuesday 15 June 2021 22:20 (40 minutes)

I discuss quarkonium dissociation and evolution in a medium in the framework of non relativistic EFTs. In particular I compute the gluodissociation and inelastic parton scattering widths, and, by treating the quarkonium as an open quantum system, write and solve the corresponding Lindblad equation. Finally I compare the so obtained nuclear modification factor with LHC data.

Presenter: VAIRO, Antonio

Session Classification: Main program