

Phenomenology 2015 Symposium



Contribution ID: 96

Type: **parallel talk**

Unitarity and Bound State Dark Matter

Tuesday 5 May 2015 17:00 (15 minutes)

The impact of unitarity constraints on a few Dark Matter portals as well as their physical meaning is briefly discussed. In regions of the parameter space where perturbative unitarity is violated, Dark Matter will form “mesonic” bound states that decay to Standard Model particles. Investigating the formation (and fate) of these bound states allows for a better understanding of the Dark Matter depletion mechanisms.

Primary author: EL HEDRI, sonia (JGU Mainz)

Presenter: EL HEDRI, sonia (JGU Mainz)

Session Classification: Dark Matter IV