

FIMP dark matter from a hidden effective supersymmetric theory

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In this study, we present a dark matter model relying on hidden supersymmetric sectors such that dark matter particles are decoupled from the SM. We will consider dark matter as massive bound states of gluons and gluinos called glueballs and gluinoballs. We will discuss the possibility to produce such dark matter particles with a freeze-in mechanism.

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Session Classification: Talks