Seongsik Kim

FIPs in the ALPs Les Houches School Round Table - BRIEF Self introduction

200

Xrd year Ph.D Student on Chung-Ang University, South Korea

Supervisor: Hyun Min Lee

Main work-field: Dark Matter Phenomenology, BSM

Includes WIMP, SIDM, FIMP, and ANYTHING

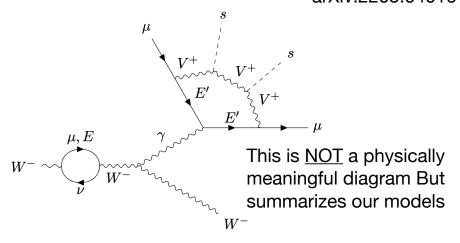


My Work and Future

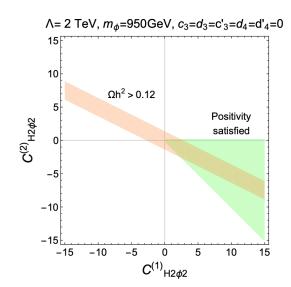
New Mechanism for Sommerfeld Enhancement arXiv:2202.13717, arXiv:2108.06278

Two DM interacts resonantly, resulting extreme enhancement of scattering cross-section

muon g-2 and W mass anomaly with Dark Matter arXiv:2205.04016



Dark Matter EFT and Positivity Bounds arXiv:2302.02879



Constrain general
DM theory
interacting with
Higgs

And will work on FIP Dark Matter!

Maybe next project. Maybe