

# Vector DM

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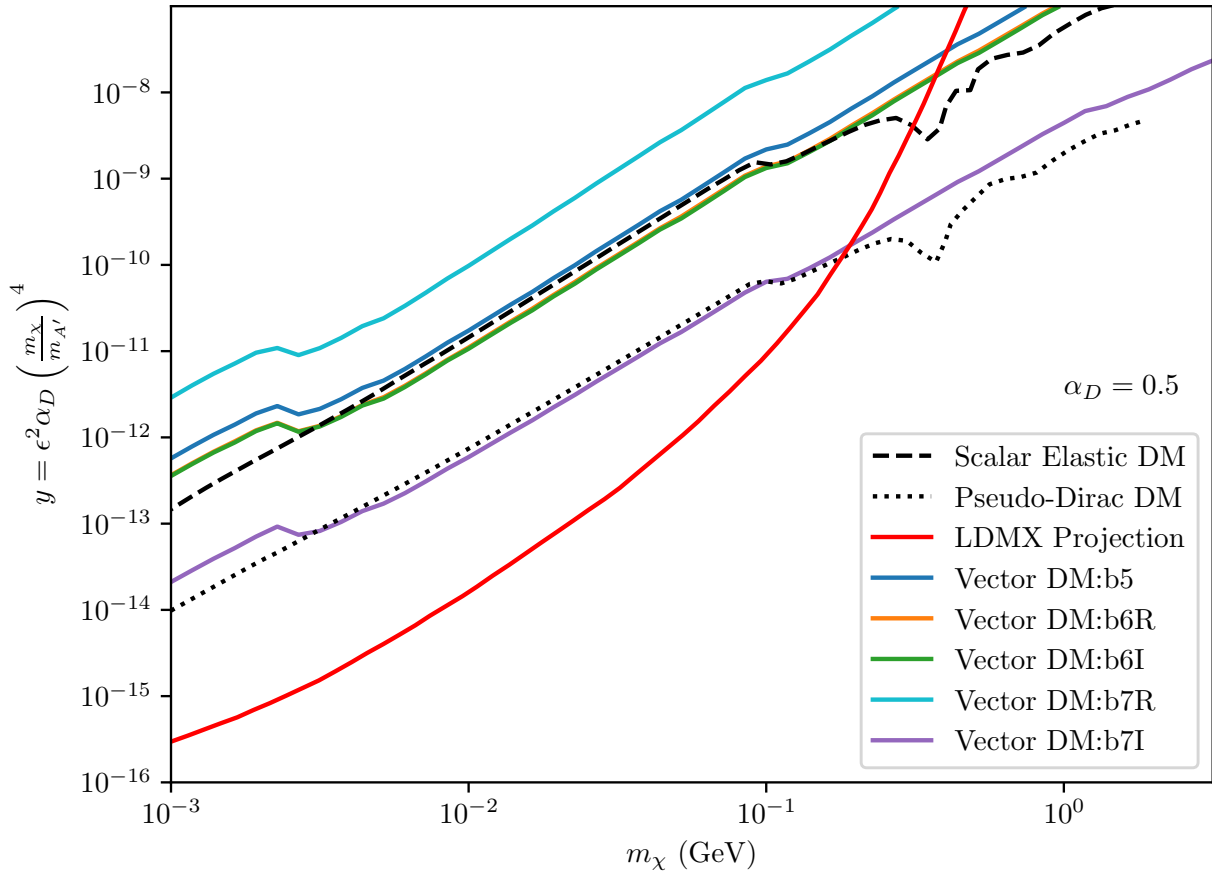


Figure 1:

$$\mathcal{L} = - \left[ i b_5 X_\nu^\dagger \partial_\mu X^\nu A'^\mu + b_6 X_\mu^\dagger \partial^\mu X_\nu A'^\nu + b_7 \epsilon_{\mu\nu\rho\sigma} (X^\dagger{}^\mu \partial^\nu X^\rho) A'^\sigma + h.c. \right] - h_3 A'_\mu \bar{f} \gamma^\mu f \quad (1)$$