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Tools for Feebly Interacting Particles

Feebly interacting particles (FIPs) in the MeV to GeV range can be studied from a large range of past, current and future experiments. While the number of phenomenological studies on FIPs has dramatically increased in recent years, the available choice of tools has remained limited. We will briefly review existing tools and present some of the current challenges. We will finally focus in more details on the code "DarkEFT"which can be used to study "fermion portal" cases where the FIPs couple to a pair of Standard Model fermions.

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