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Currently there are a number of 'Light Shining Through a Wall'(LSW) experiments taking place to search for weakly-interacting sub-eV particles(WISPs). The hidden sector photon(HSP) is an example of a WISP which, if massive, could be detected through kinetic mixing with the Standard Model photon. As HSPs do not couple electrically, they can be searched for using an LSW experiment. For HSP rest masses corresponding to microwave frequencies such an experiment can be made from copper or superconducting cavities, similar to those used in accelerators.

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