

The nature of dark matter is one of the greatest unsolved problems in physics. In this proceeding the elastic scattering of dark matter and neutrinos was explored in the Galactic Centre.

Sensitivities were obtained using a unbinned likelihood method for IceCube. It was shown that IceCube is more sensitive than cosmology in setting constraints on the coupling strength for dark matter-neutrino scattering for certain regions of the parameter space.