

## Astrophysics &gt; High Energy Astrophysical Phenomena

# Closing the Window on Strongly Interacting Dark Matter with IceCube

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We use the recent results on dark matter searches of the 22-string IceCube detector to probe the remaining allowed window for strongly interacting dark matter in the mass range  $10^4 < m_X < 10^{15}$  GeV. We calculate the expected signal in the 22-string IceCube detector from the annihilation of such particles captured in the Sun and compare it to the detected background. As a result, the remaining allowed region in the mass versus cross section parameter space is ruled out. We also show the expected sensitivity of the complete IceCube detector with 86 strings.

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