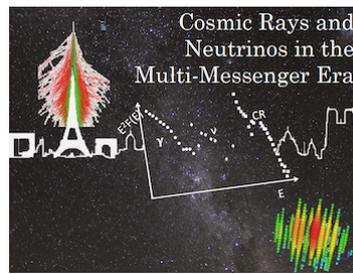


Cosmic Rays and Neutrinos in the Multi-Messenger Era



ID de Contribution: 57

Type: **Poster**

Solar WIMP Search with 8 Years of IceCube Data

Weakly Interacting Massive Particles (WIMPs) are a broad class of dark matter (DM) candidates. Generically, WIMPs can have a non-zero cross section with the Standard Model (SM) particles. This allows WIMPs to scatter off large celestial bodies, and become gravitationally bound. These captured WIMPs can then co-annihilate into SM particles which can be seen by current telescopes. I will present the status of IceCube's most recent search for neutrinos created from WIMP annihilation in the Sun.

Related session

Particle physics with neutrinos

Author: LAZAR, Jeffrey