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Contribution of the iDMEu project to the search for dark matter

Dark matter is one of the greatest mysteries in contemporary physics. It constitutes a significant portion of the universe, yet its nature remains unknown. Recent years have witnessed research efforts dedicated to understanding its properties, employing both direct and indirect detection experiments. In light of these efforts, the iDMEu project was developed to foster collaboration among research teams in this field, facilitating data updates from dark matter experiments and providing accessible resources. Within the realm of indirect detection, it becomes crucial to comprehend the constraints amassed from all experiments, thereby delineating the boundaries of our current knowledge and guiding future investigations. This work presents an up-to-date compilation of identified constraints pertaining to various decay and annihilation channels, furnishing details regarding the detection sites and corresponding experiments.

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