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The astrophysics approach to unveil the nature of dark matter

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**Abstract content (Max 300 words)
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The presence of Dark Matter is required in the Universe regulated by the standard general relativistic theory of gravitation. The nature of Dark Matter is however still elusive to any experimental search. We discuss here the process of accumulation of evidence for the presence of DM in the universe, the astrophysical probes for the leading DM scenarios that can be obtained through a multi-frequency analysis of cosmic structures on large scales, and the future strategies related to the astrophysical search for the nature of the dark matter.

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