

Constraints on Antiquark Nuggets from Collisions with the Earth

Tuesday 10 December 2024 15:30 (20 minutes)

Antiquark nuggets are hypothetical composite objects composed of antimatter, proposed as candidates for a significant fraction of dark matter in the Universe. This talk explores the parameter space of antiquark nuggets, considering constraints from the observed neutrino flux from the Sun and Earth, alongside the non-observation of seismic events indicative of dark matter interactions.

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Session Classification: Dark Matter