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Listening for ultra-heavy dark matter with underwater acoustic detectors

Wednesday, 26 June 2024 18:10 (10 minutes)

Macroscopic Dark Matter (or Macros) are a general class of dark matter models with Planck-scale or larger masses and near geometric cross sections. Due to their very low number density, the range of macro cross sections is relatively unconstrained by conventional DM detectors, and instead require novel detection methods with high exposure. Here we consider the constraining power of proposed acoustic neutrino experiments to macroscopic dark matter.

Presenter: CLEAVER, Damon (King's College London)

Session Classification: Flash Talks by Students