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An example of a search for quark nuggets: nuclearites

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The possibility to have super-heavy ultradense quark nuggets as dark matter candidates has been stressed again in recent times. This is due probably to the negative dark matter searches in LHC and in the direct and indirect experiments.
Nuclearites are an example of compact objects that could be constituents of the dark matter. Nuclearites of high mass could be confused with meteors.
I will discuss briefly the status of this search and the detection of meteors and nuclearites in the JEM-EUSO cosmic ray mission. Then I will present the results obtained using the cryogenic bar detectors of gravitational waves, used as particle detectors.

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