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## The indirect search for dark matter with the ANTARES neutrino telescope

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One of the main goals of neutrino telescopes is the indirect search for dark matter. The ANTARES detector, installed in the Mediterranean Sea, has been taken data since 2007. In this talk we present the results on different dark matter potential sources, including the Sun, the Galactic Center, the Earth, dwarf galaxies and galaxy clusters produced with different analysis methods and will show the specific advantages of these detectors in general and of ANTARES in particular. As an example, the detection of a signal of high energy neutrinos from the Sun would be free of astrophysical backgrounds, contrary to what happens with the hints observed by gamma ray or cosmic ray experiments. Moreover, neutrino detectors can provide the best limits for spin dependent WIMP-nucleon cross section.

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