Search for neutralino dark matter

with the IceCube neutrino telescope

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The IceCube neutrino telescope is being constructed in the deep ice near the geographic South Pole. Since February 2008, half of the detector is installed with 40 IceCube strings surrounding the 19 string AMANDA detector. Recent results will be presented from the search of neutralino annihilations in the Sun and in the Earth for AMANDA data. The combination of AMANDA with the large scale IceCube array will improve the limits for WIMP dark matter search considerably. The expected sensitivity for a muon flux from neutralino annihilations in the Sun will be discussed for different detector configurations.