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Recent results from IceCube

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The IceCube detector, which is embedded in the glacial ice at the geographic South Pole, is the first neutrino telescope to comprise a volume of one cubic kilometer. With the construction of the detector being completed in early 2011, it now consists of a total of 5484 optical modules. While its primary goal is search for neutrinos of astrophysical origin, in conjunction with its surface component IceTop it also forms a versatile cosmic ray laboratory. I will present the most recent results from data accumulated during the construction phase with a focus on searches for electron neutrinos, transient neutrino sources as well as cosmic ray observations.

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Classification de Session: Neutrinos (cont)

Classification de thématique: Experiment