

Abstract Submitted
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IceCube update on point-source searches JON DUMM, MIKE BAKER, JUAN A AGUILAR, University of Wisconsin, CHAD FINLEY, Stockholm University, TERESA MONTARULI, University of Wisconsin — During 2008-9, the IceCube Neutrino Observatory was operational with 40 strings of optical modules deployed in the ice. We present the results of searches for neutrino point sources based on unbinned maximum likelihood analyses of the data collected in this configuration. This data sample provides the best sensitivity to high energy neutrino point sources to date. We characterize the angular resolution, effective area, and sensitivity, and discuss how the performance is expected to improve as the detector moves toward the planned final 80-string configuration.

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