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Search for Dark Matter and BSM Physics with the IceCube Neutrino Observatory

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The IceCube detector is a multipurpose neutrino observatory located at the South Pole. With an instrumented volume of a cubic kilometer, IceCube can detect neutrino fluxes from all flavors in the GeV - PeV energy range. In the recent years IceCube has heralded the birth of neutrino astronomy with the discovery of an astrophysical neutrino flux. Besides its astrophysical program IceCube is also at the forefront of indirect searches for dark matter and physics beyond the standard model. In this contribution I will review the latest results of IceCube as a particle physics detector.

Working Group

WG5 : Neutrinos Beyond PMNS

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