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Recent results of a search for cosmogenic PeV to EeV neutrinos with IceCube

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Abstract. Two years of IceCube data recorded between May 2010 and April 2012 have been analyzed in a search for neutrinos generated by ultra-high energetic cosmic rays at PeV to EeV energies. Two events with energies of about 1-10 PeV pass all selection criteria. At such energies it is unlikely that these events originate from neutrinos generated within cosmic-ray air showers by the decay of secondary pions and kaons. The talk describes the analysis and discusses possible interpretations of the result.

Slides

The slides of the talk can be found on the website of the symposium ISVHECRI 2012: https://indico.desy.de/conferenceOtherViews.py?view=standard&confId=4594

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