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Charm with High Energy Muons in IceCube - Summary of P.Berghaus' results

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This talk gives a summary of an analysis to measure the high energy muon spectrum performed on one year of data of the IceCube detector. The main background for single high energy muons are high-multiplicity bundles comprised of lower energy muons. This analysis attempts to separate single muons from muon bundles through their different energy loss profiles. A preliminary best fit on the muon spectrum and the prompt component is presented.

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