



Poster session 4 – Friday 8 July

P4.002 Neutrino statistics in a single pixel

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We use one-point-pdf analysis to investigate the origin of the Highest-energy Neutrinos in Icecube, and forecast some prospects for neutrino astronomy. Extrapolating Herschel luminosity functions of star-forming galaxies and AGN to the regime of unresolved point sources, we compute the neutrino flux distribution of these sources and show these would represent a diffuse (unclustered) background in Icecube. Further extrapolating the flux distribution of the Fermi 2FHL catalog, we study the neutrino contribution to the data of BL Lacs of hadronic and leptonic origins, particularly the clustering properties of this contribution.