

Executive summary - Ariane Dekker

Interpreting the high-energy neutrino sky through an angular power spectrum analysis

What is this contribution about?

We perform an angular power spectrum analysis to interpret the observed high-energy neutrinos.

Why is it relevant / interesting?

High energy neutrinos have been observed since about 10 years, however the origin of the individual neutrino events remains unknown. In this work, we propose a different approach to interpret the neutrino sky.

What have we done?

We simulate the neutrino sky to test different astrophysical source classes as well as a dark matter contribution by studying their expected isotropic and anisotropic features.

What is the result?

We set limits on the contribution of extra-galactic astrophysical source classes, as well as a dark matter contribution.