

Table 1: Runtime of various Monte Carlo simulations of background cosmic-ray shower events and neutrino signal with different energy distributions. The median energy is based on the distribution of events that trigger the detector. The number of events reflects the typical per-year requirements for IceCube analyses.

Simulation	Med. Energy ¹	t/event	events
Air showers	1.2×10^4 GeV	5 ms	$\sim 10^{14}$
Neutrinos	3.9×10^6 GeV	316 ms	$\sim 10^8$
Neutrinos	8.1×10^1 GeV	53 ms	$\sim 10^9$