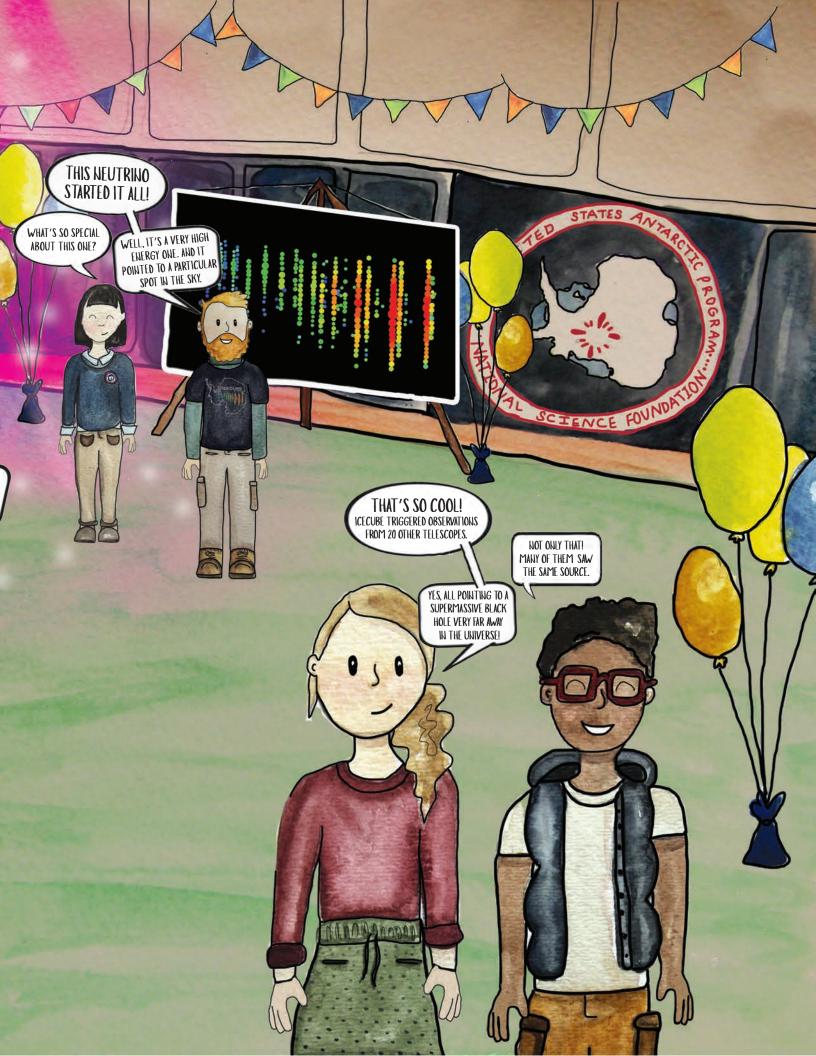




MULTIMESSENGER ASTRONOMY. AND THE SOUTH POLE WINTER CREW DECIDED TO JOIN THE PARTY! Multimessenger Astronomy

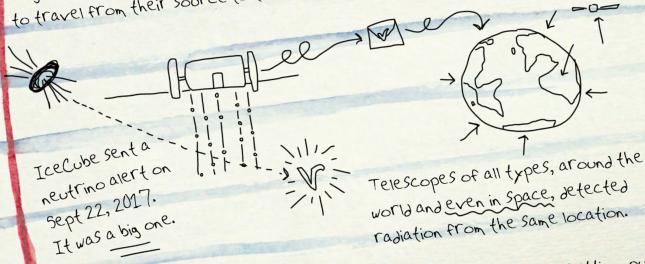


Rosie's Discoveries

A multimessenger astronomy discovery (or is it a neutrino discovery?)

This was such a fun day that I am not sure where to start!

Here is what happened. We have found that a supermassive black hole is the origin of some neutrinos detected by IceCube. It took them about 4 billion years to travel from their source to the South Pole. It's mind-blowing!



It turns out that we knew this source! It's a blazar, or a black hole spitting out high-energy jets of particles along its axis. We had never seen neutrinos from a specific source before. Was this first neutrino the only one? No, IceCubers found over a dozen more neutrinos from using that alert as a pointer. And here we are! Learning more about the discovery with IceCube's winterovers!

Is this neutrino astronomy? Or is this multimessenger astronomy? I'd say it's both! And it may happen again soon! I need to talk to Gibbs. I'm not going back home to Antarctica's coast until the next exciting neutrino shows up.

