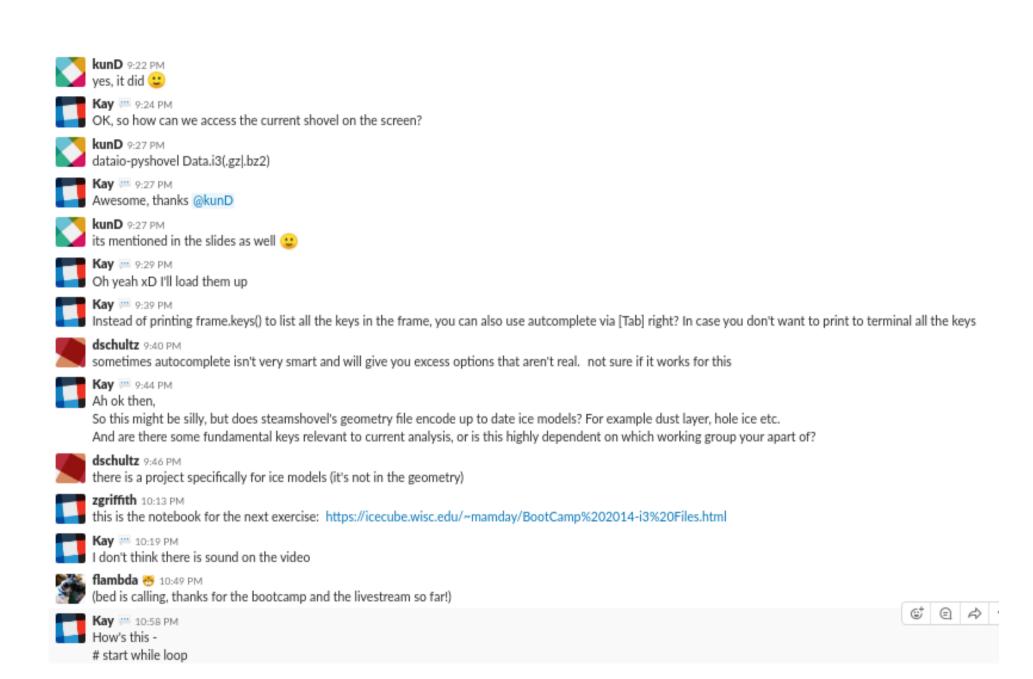
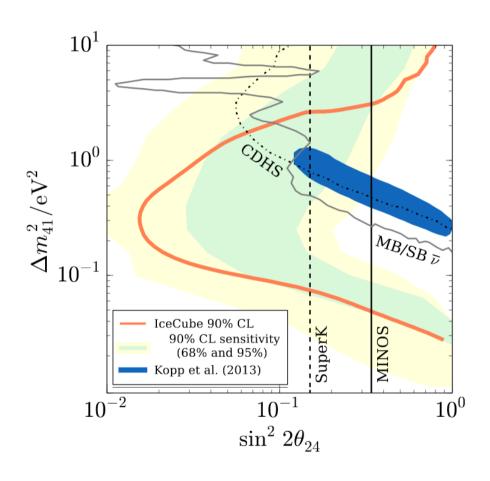


Steriles and Gen-2 Modules Kareem

Check out arxiv:1805.11717!

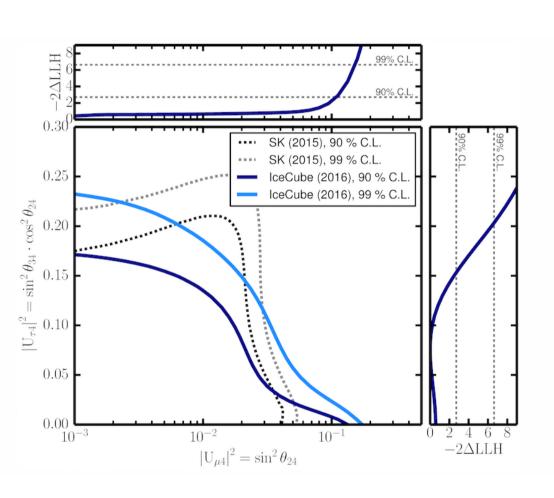


Icecube searched for eV sterile neutrinos...



- But drew a blank (99% C.L.)
- Neutrino energies 320 GeV to 20 TeV

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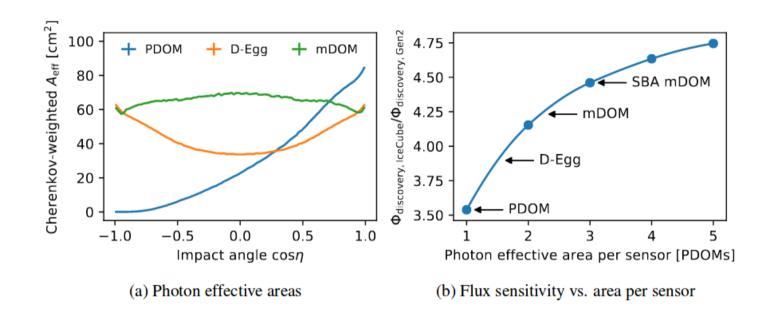


But drew a blank (99% C.L.)

Neutrino energies 320 GeV to 20 TeV

Then (2017), 10-60 GeV (DeepCore) neutrinos probed – still nothing...

We will gain more sensitivity with new modules!



- The sunflower array of Gen2 in principle could discover sources ~3.5x fainter than Icecube
- Increase each sensors effective area by 3-4.5 times

