

## Considerations for a surface veto array and a look at event rates

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I will have a brief look at a surface veto array upgrade. Simulated event rates in IceCube suggest that surface veto detectors will add of order 10 muon neutrino events after atmospheric veto cut depending the threshold. Such strategies may offer benefits for lower energy source searches. They need to be compared to other muon neutrino search channels.

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