ORCA meeting

Lodewijk Nauta

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Direction

The upward going reconstructed evts that pass the Qup-Qdn cut are actually badly reconstructed evts that are far from the detector.



0.5

gandalf dir z

-0.5

Detector top view





MC Compare: 10 cuts vs 15 cuts

These are the 'extra' events that pass due to less cuts.



Neutrino energy resolution



Asimov fit Set all start values on a 10x10 grid around the actual minimum: (0.425, 0.00256)



The same is visible in ORCA4 with just tracks

Misc.

- ORCA7-MC: generate a P.E. and fit only the track channel. Does it converge similar to ORCA4? Outcome: slightly better, but lacking the cuts that ORCA4 has (not available for ORCA7, requires reprocessing)
- Started on systematics: Read some theses, generally short little detail Inspect implementation (complicated!)