

✓ Maximum log-likelihood reconstruction based on a track hypothesis (SPE with 12 iterations (SPE12)) ✓ Quality of reduced log-likelihood value of SPE12

The isolated DOM cleaning removes DOMs that do not have additional hits within a certain radius (150m) and time range (1 µs). This cleaning is useful to keep the larger event in a coincident event

An example of mis-reconstructe event due to a corner clipping event (atmospheric muon MC)

be tested within a few years.

References

cosmogenic neutrinos and most of GZK models will

 S. Yoshida et al., ApJ, 479, 547-559, (1997).
G.C. Hill et al., in the Proceedings of PHYSTAT2005, Oxford, England, 2005 (Imperial College ress, London (2006), pp 108–111.

prompt v1: Enberg et al. (2008), prompt v2: Martin et al. (2003) MRS