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Improvements in IceCube event reconstructions TIANLU YUAN, Univ of Wisconsin, Madison, ICECUBE COLLABORATION — At the highest energies, the angular resolution of IceCube is limited primarily by ice property uncertainties. Charged-current interactions with an outgoing muon have a smaller dependence on ice modeling when reconstructing the incoming direction. Interaction channels without a high-energy muon are more affected by the ice properties. This talk will highlight the impact of using a new ice-model for both cascades and tracks. I will frame this discussion by means of the recent track event coincident with a blazar flare and latest high-energy starting neutrino event (HESE) sample.

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