

Topological Variables		related to
n_{tr}	Multiplicity of charged tracks at the neutrino interaction vertex with momentum $p_{\text{tr}} > 0.3$ GeV and angle $\tan \theta_{\text{tr}} > 0.3$	E_{had}
n_{γ}	Photon multiplicity	E_{had}
$ 1/\theta_{\ell} $	Inverse of lepton angle with respect to neutrino direction	E_{ℓ}
$\sum 1/\theta_{\text{had}} $	Sum of inverse of hadron track angles	E_{had}
$1/\theta_{\text{median}}$	Inverse of the median of the track angles of all charged particles	E_{had}, E_{ℓ}
Track Momentum via MCS		
p_{ℓ}^{MCS}	Estimated lepton momentum from MCS	E_{ℓ}
$\sum p_{\text{had}}^{\text{MCS}}$	Sum of estimated charged hadron momenta from MCS	E_{had}
Energy in Showers		
$\sum E_{\gamma}$	Sum of energy in photon showers	E_{had}