Efficiency relative to preselection, 1eNp0π, 0.15<Enu<0.45 GeV all events within 1 cm Cut diff CosmicIPAll3D 95% 97% 2% 98% CosmicDirAll3D 99% 0% trkpid 64% 91% 27% 83% hits ratio 96% 13% shr score 84% 86% 1% 62% shrmoliereavg 92% 30% subcluster 53% 22% 75% trkfit 94% 99% 4% n showers1 83% 94% 12% tksh distance 66% 95% 29% trkshrhitdist2 76% 96% 20% dedx max 71% 80% 9%

92%

91%

78%

97%

96%

98%

5%

4%

20%

secondshower

tksh angle

secondshower Y nhit