

Hit completeness  $\geq 0.40$ Hit purity  $\geq 0.40$ ICARUS BNB  $\nu_\mu$  Work in progress

## Muons

PFPS [#] / 0.03

100

80

60

40

20

0

- 2D+DNNROI (LongMaxHits = 10) w/ YZ (94.4%)
- 2D+DNNROI (LongMaxHits = 1) w/ YZ (94.3%)
- 1D w/ YZ (85.1%)
- 2D+DNNROI (LongMaxHits = 10) w/o YZ (91.9%)
- 2D+DNNROI (LongMaxHits = 1) w/o YZ (91.8%)
- $\phi$  1D w/o YZ (74.3%)

icaruscode\_v10\_06\_00\_01p03\_develop (w/o YZ\_sim)  
icaruscode\_v10\_06\_00\_06p03 (w/ YZ\_sim)

Pull

5

0

0.0

0.2

0.4

0.6

0.8

1.0

"All matches" energy completeness

$$\left( \sum_{\text{matched pfp}} E_{\text{match}} \right) / E_{\text{dep}}$$