1m

1m

NOνA Monte Carlo

Proton

$\nu_\mu + n \rightarrow \mu + p$

Muon

Michel e⁻

ν_μ Charged Current

Proton

$\nu_e + n \rightarrow e + p$

Electron

ν_e Charged Current

Proton

$\nu + X \rightarrow \nu + X'$

$\pi^0 (\rightarrow \gamma\gamma)$

Neutral Current

X

N

W^+

ν_μ

μ^-

X

N

W^+

ν_e

e^-

$X+\pi^0$

N

Z^0

ν_μ

ν_μ