

SK: Neutrino Mode, ν_e

Fractional Error

0.3

0.2

0.1

0

Hadron Interactions

Proton Beam Profile & Off-axis Angle

Horn Current & Field

Horn & Target Alignment

$\Phi \times E_\nu$, Arb. Norm.

Material Modeling

Number of Protons

13av7.1

13av6

1

10

E_ν (GeV)

