baseline fluxes : SIBYLL $(\pi, K, c)$ ,  $\mathcal{L}_{pp} = 3 \text{ ab}^{-1} \text{ FASER}\nu 2$  $10^{6}$  $10^{6}$  $u_{\mu}W \to \mu X_{h}$  $\bar{\nu}_{\mu}W \to \mu^{+}X_{h}$  $10^{5}$  $10^{5}$  $10^{4}$  $10^{4}$  $\int_{\mu}^{\pi} \int_{\mu}^{\pi} \int_{\mu$  $({}^{\scriptstyle \alpha}x)^{\scriptstyle \pi} 10^3$  $10^{2}$  $10^{2}$  $\blacksquare$  fit input :  $E_{\nu}$  $\blacksquare$  fit input :  $E_{\nu}$ baseline baseline  $10^{1}$  $10^{1}$ - fit input :  $E_h$ - fit input :  $E_h$ •••• fit input :  $\theta$ •••• fit input :  $\theta$ -- fit input :  $E_{\ell}$ - fit input :  $E_{\ell}$  $10^{0}$  $10^{0}$ 1.4 1.2 1.2 Ratio 0.1 Ratio 0.1 0.8 0.8 0.6 0.6 0.50 TO 0.25  $\begin{array}{c|c}
 & 0.50 \\
\hline
 & 0.25 \\
\hline
 & 0.00 \\
\hline
 & 0.00
\end{array}$ 0.50 $10^{-1}$  $10^{-1}$  $10^{0}$  $x_{\nu}$  $x_{\nu}$