

Channel	$N_{\text{Osc.}}$	N_{null}	Diff.	$(N_{\text{Osc.}} - N_{\text{null}})/\sqrt{N_{\text{null}}}$
$\bar{\nu}_e \rightarrow \bar{\nu}_\mu$ CC	23	0	∞	∞
$\nu_e \rightarrow \nu_e$ NC	10267	10680	-3.9%	-4.0
$\bar{\nu}_e \rightarrow \bar{\nu}_e$ CC	24824	25801	-3.8%	-6.1
$\nu_\mu \rightarrow \nu_\mu$ NC	26657	27510	-3.1%	-5.1
$\nu_\mu \rightarrow \nu_\mu$ CC	72539	74777	-3.0%	-8.2

(a) Neutrino-mode with stored μ^- .

Channel	$N_{\text{Osc.}}$	N_{null}	Diff.	$(N_{\text{Osc.}} - N_{\text{null}})/\sqrt{N_{\text{null}}}$
$\nu_e \rightarrow \nu_\mu$ CC	60	0	∞	∞
$\bar{\nu}_\mu \rightarrow \bar{\nu}_\mu$ NC	12456	12828	-2.9%	-3.3
$\bar{\nu}_e \rightarrow \bar{\nu}_e$ NC	23246	24253	-4.2%	-6.5
$\bar{\nu}_\mu \rightarrow \bar{\nu}_\mu$ CC	30596	31489	-2.8%	-5.0
$\nu_e \rightarrow \nu_e$ CC	61448	64014	-4.0%	-10.1

(b) If anti-neutrino-mode with stored μ^+ .

Table 1: VLENF truth event rates for 10^{21} POT.