Analysis

440kT x 5yrs: **2,2 Mt.yrs (+)**

	$\theta_{13} = 1°$	$\theta_{13} = 3°$	$\sin^2 2\theta_{13} = 0.05$	
$\nu_\mu \to \nu_e$ **(Sig)**	**33** $(\delta = \pi/2)$	**330** $(\delta = \pi/2)$	**2200** $(\delta = \pi/2)$	**3670** $(\delta = 0°)$
$\nu_\mu \to \nu_e$ **(Bkg)**	**1500**			
	$\nu_e \to \nu_e$ **CC**	π^0 **from NC**	$\nu_\mu \to \nu_\mu$ **CC** (μ **missId**)	$\bar\nu_e \to \bar\nu_e$ **CC**
Frac. of Bkg	90%	6%	3%	1%
Reduction Factor	0.707	$6.5\ 10^{-4}$	$5.4\ 10^{-4}$	0.677
$\nu_\mu \to \nu_\mu$ **(Sig)**	**64950** $(\delta = \pi/2)$		**64414** $(\delta = 0°)$	
$\nu_\mu \to \nu_\mu$ **(Bkg)**	**3** $(4.3\,10^{-4}\ \bar\nu_\mu \to \bar\nu_\mu\ CC)$			

$\sin^2 2\theta_{12} = 0.82$, $\theta_{23} = \pi/4$, $\Delta m^2_{21} = 8.1\ 10^{-5} eV^2$, $\Delta m^2_{31} = 2.2\ 10^{-3} eV^2$

Reduction factor and efficiencies taken from SK simulation (D. Casper) and a tight cut for e/μ misId.