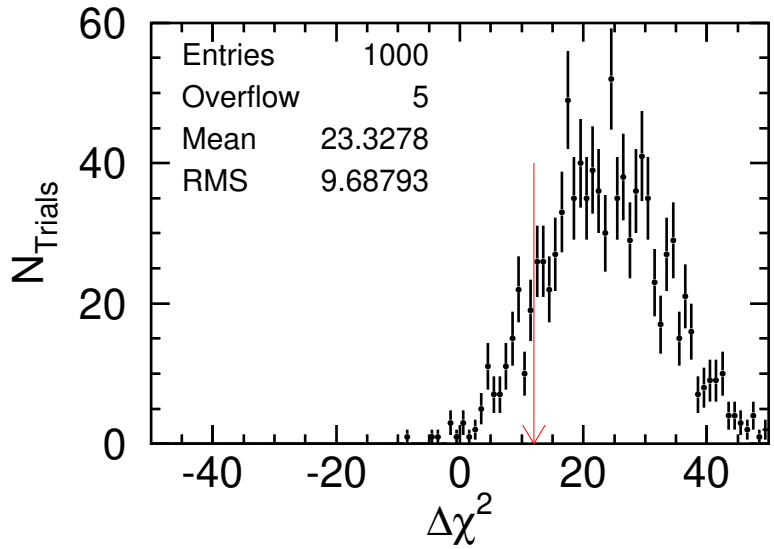
χ^2 Difference

$\chi^2_{\text{Incorrect}} - \chi^2_{\text{Correct}}$

Very Preliminary



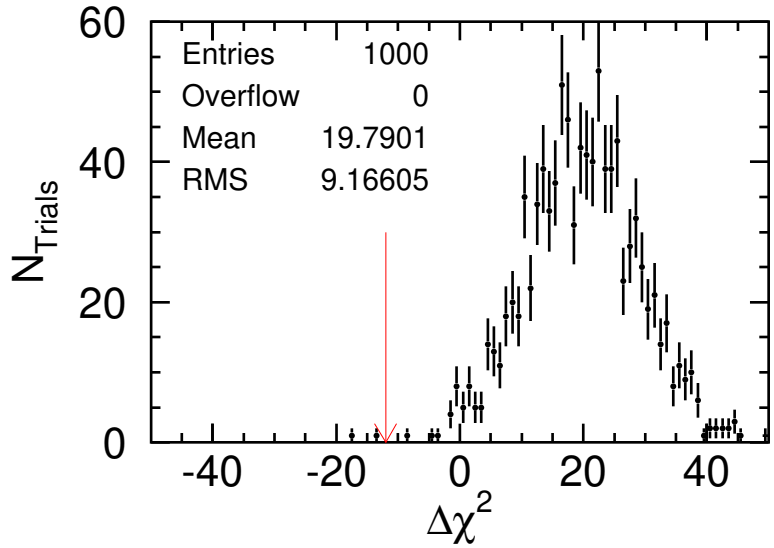
ν_μ-ν_τ Oscillations

$\Delta\chi^2 = \chi^2(\nu_\mu\text{-}\nu_{sterile}) - \chi^2(\nu_\mu\text{-}\nu_\tau)$

→ 991-day SK Data : $\Delta\chi^2 = 12$

7/1000 Trials ν_μ-$\nu_{sterile}$ fit is better than ν_μ-ν_τ

0/1000 Trials ν_μ-$\nu_{sterile}$ fit is better than ν_μ-ν_τ by 12



ν_μ-$\nu_{sterile}$ Oscillations

$\Delta\chi^2 = \chi^2(\nu_\mu\text{-}\nu_\tau) - \chi^2(\nu_\mu\text{-}\nu_{sterile})$

→ 991-day SK Data : $\Delta\chi^2 = -12$

17/1000 Trials ν_μ-ν_τ fit is better than ν_μ-$\nu_{sterile}$

2/1000 Trials ν_μ-ν_τ fit is better than ν_μ-$\nu_{sterile}$ by 12