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Short and long baseline sensitivities with nuPRISM

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The nuPRISM detector concept provides a powerful tool for neutrino physics, using measurements at multiple off-axis angles to produce oscillated or mono-energetic neutrino beams. This talk describes the current long baseline sensitivity studies with nuPRISM, quantitatively demonstrating the benefits this technique brings to oscillation analyses. It will also discuss the short baseline sensitivities, comparing these to the MiniBooNE sterile searches.

Summary

The initial short and long baseline sensitivity studies carried out for the nuPRISM detector

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