First Analysis Introduction

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First 2x2 Analysis

Relatively simple analysis with first 2x2 Demonstrator + MINERvA data

- Following FNAL summer shutdown, NuMI resumes operation in RHC-mode in ~mid-October 2023
- Analysis viable with ~week(s)-worth of data

Public results on the timescale of FDR in mid-2024

First Analysis Comments/Discussion

Of utmost importance is putting out a valid, credible result.

When should we down select? Should we down select?

"Hope for the best but prepare for the worst."

Invest in non-beam analyses in parallel to beam analyses?

Instructions provided to each analysis team

Give a 15+5 analysis talk at the Saturday, May 20th afternoon session of the upcoming 2x2 workshop. In addition to conveying the physics motivation for your proposed analysis, we highly encourage you to speak to the expected analysis systematics. As you know, we are currently standing up analysis infrastructure for the 2x2 Demonstrator. We would like to understand how your analysis integrates with existing efforts on simulation, calibration, CAF format, etcetera and if there are gaps in planned analysis infrastructure relative to what is needed for your analysis. If possible, we are aiming for the analysis infrastructure developed for the first analysis to be structured in such a way that it is helpful for later analyses.