# 2x2 MINERvA Analysis

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# New Structure

- New ND Prototype physics analysis structure being developed. (Pedro and Zoya are overall leads.)

- Details still being finalized, but there will be a 2x2 MINERvA Analysis group as part of this.

- Once the new structure is official, we will form a mailing list, advertise the group, and try to find a regular meeting time.

- But we are meeting today since there are some time constraints

# Role of Group

- Simulation of 2x2 MINERvA

- Reconstruction of tracks in 2x2 MINERvA  (which will eventually be propagated with a common analysis framework for LAr and MINERvA events)

- Calibration of 2x2 MINERvA data

- Offline production  - try to use DUNE framework and channels as much as possible

- Separate meetings and discussions are taking place about nearline processing+data quality monitoring, and data handling

# Action Items

- Goal is to have basic software to reconstruct tracks by end of April

- High-priority items:

  - Define the plex between electronics channels and physical strips

  - Get access to MINERvA calibration database

  - Update 2x2 MINERvA geometry to match what was installed

  - Start adapting reconstruction code to this geometry

    - 2x2 geometry will be in a forked branch of the MINERvA cvs repository

    - (Side question: Should online and nearline code also be in the same forked branch?)