

APC, Paris

- **The group:**
Thomas Patzak (PI), Jaime Dawson, Alessandra Tonazzo, Andrea Scarpelli (PhD student, starting today)
- Our activity so far, in ProtoDUNE-DP: LRO FEE development, detector simulation (in the WA105 framework), performance and physics studies
- We have very little experience with LArSoft so far, we are starting. The CERN tutorial will be very useful for us!
- Tools: LArSoft is installed at CCIN2P3 for ProtoDUNE-DP, in principle we can work there. We can also access the Fermilab repository if needed (for commit of code, for example)

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Our goals

- 1) exploit ProtoDUNE-DP in view of DUNE-FD
 - 2) contribute to reconstruction development
 - 3) contribute to physics measurements
- We would like to contribute to the reconstruction code for ProtoDUNE, on topics that are also useful in view of FD.

Some of us have past experience on EM showers, so we can probably contribute to electron shower reco, e/γ separation, or EM component in hadron showers

But we are open to discussion/suggestions based on the organization of the whole working group