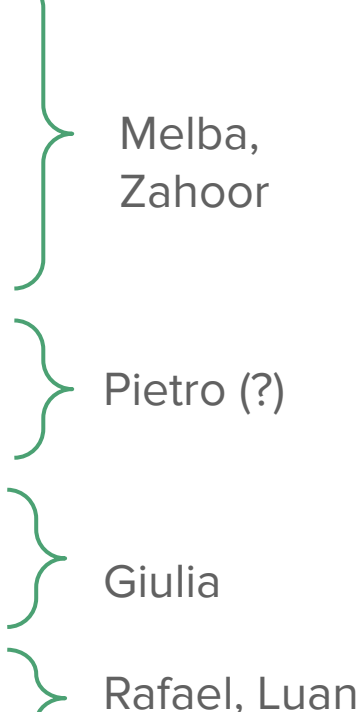# CYGNO simulations update

CYGNO simulation working group

29/07/24

Open tasks

- CYGNO-04 complete simulation
    - new CAD geometry available (August 2024)
      https://drive.google.com/drive/folders/1-TKMJOY9AzuMNhi08A8MAaUFxp9BFMgl?usp=sharing
    - implementation in Geant4 in progress (need to evaluate which volumes to import in CAD without increasing too much calculation time)

  Melba, Zahoor

- Saturation simulation
    - re-optimize simulation parameters using Am (59 keV) data

  Pietro (?)

- Radon simulation
    - understand effect of radon on low energy ER, interpretation of LIME spectrum

  Giulia

- PMTs simulation

  Rafael, Luan