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-TKMJOY9AzuMNhi08A8MAaU
    Fxp9BFMgl?usp=sharing
  - implementation in Geant4 in progress (need to evaluate which volumes
    to import in CAD without increasing too much calculation time)

  Melba,
  Zahoor

- Digitization
  - re-optimize simulation parameters using Am (59 keV) data
  - c++ re-implementation of digitization

  Pietro,
  Stefano,
  Giorgio

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

  Giulia,
  Davide F.

- PMTs simulation

  Rafael, Luan