

CYGNO simulations update

Giulia D'Imperio

17/07/25

Updates

- CYGNO-04 simulations:
 - CAD geometry frozen → now producing a simplified version for geant4 implementation
 - full simulation of CYGNO-04 background is a milestone (~end 2025)
- Digitization code:
 - best parameters for LIME with some caveat (run-by-run dependency): see [presentation](#) by Pietro at last simulation meeting
 - joint work Stefano/Giorgio/Davide P. defined a strategy to find the best parameters for digitization run-dependent, based on Pietro's analysis on 55-Fe and Melba's calibration studies on Run 5 data
 - started digitization of radon chain simulations by Federico V.