

Plan of activities at UNAM (ICN) for Work Package 2

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Kick off meeting: Assay Pb-210 in Water
22-23 October 2018, UNAM

Activities at ICN-UNAM (WP-2)

- Continue testing/understanding the operation of the HPGe detector in the lab at ICN.
- Complete the equipment for the HPGe detector by purchasing a refilling 10L dewar and elevator table (DGAPA-UNAM funds)
- Develop writeup of procedures for assembly and operation.
- Test with available MCA from IF (Eric) for short term deployment in November.
- Develop detailed plan for November test at the site and for long term installation. Coordinate the site characterization efforts.
- Develop a Geant4 simulation of the detector to obtain gamma detection efficiency.
- Obtain standard OIEA calibration earths and measure activities of samples in the lab and compare with efficiency from simulations.
- Develop visual materials to aid outreach efforts.
- Organize visit of Federico Izraelevitch for commissioning of 1 or 2 Escaramujo detectors. Workshop with students in Hidalgo (Feb 2019)