

High Sensitivity Rn Measurements at LSC

Javier Pérez Pérez (UJ)

Grzegorz Zuzel (UJ)



- What's about Rn
- Rn is one of the most dangerous sources of bkg: it can emanate and decay inside the active volume of the detector
- Radon Abatement System (RAS) at LSC
Produces 220m³/hour of almost Rn-free air
- The electrostatic Radon Monitor
Connected to the RAS, it can measure Rn activities in air below <math><1\text{mBq/m}^3</math>
- Cryo-Rn Detector
Designed to measure the Rn emanation from the materials

Poster 103



Session: Noble Gases