

# ALGORITHMS DEVELOPMENT FOR LOW LEVEL RADIOXENON SPECTRUM ANALYSIS

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**Poster 17**

- Radioactive isotopes of xenon detection in the air : possible detection of an underground nuclear test
- Ongoing development of dedicated beta-gamma detector development for improving:
  - Detector compactness
  - Sensitivity
  - Sample volume
- Algorithm development for:
  - For interference correction optimization
  - $L_C$  &  $L_D$  estimation



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