

Measure of ^{222}Rn in air with passive and active detectors and efficiency comparison

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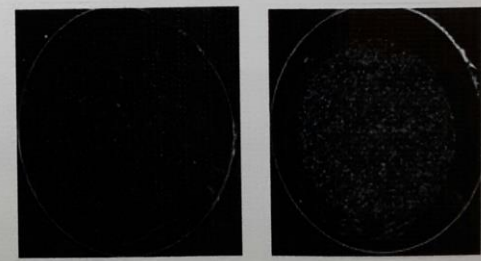
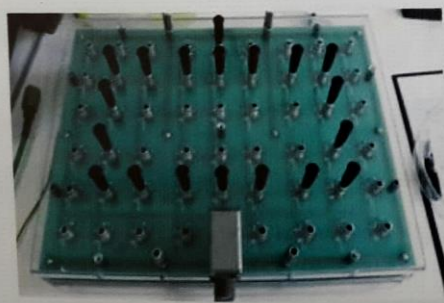
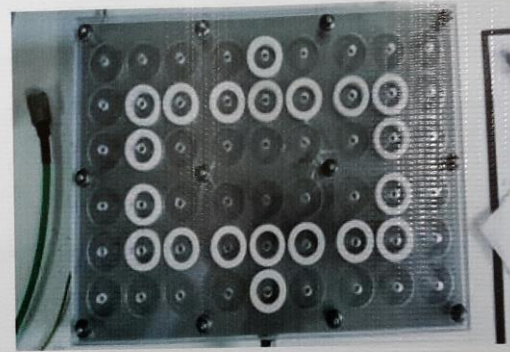
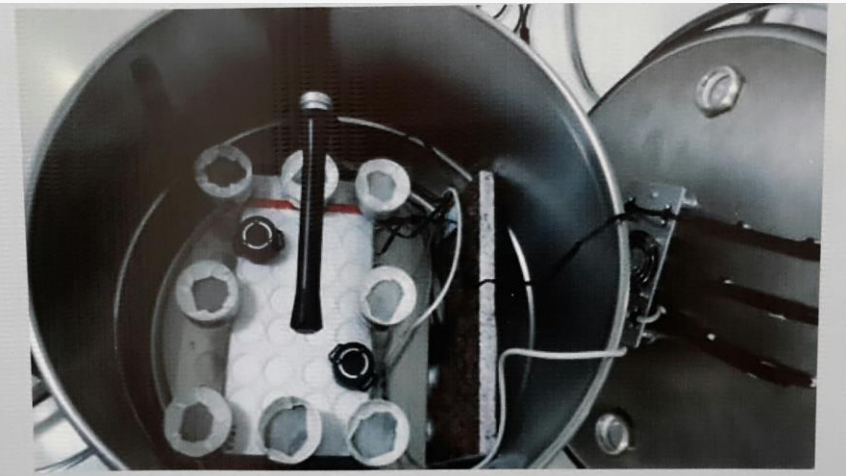
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Principal Remarks

- Main objective is compare and check the efficiency and reproducibility of the detectors used for ^{222}Rn measures;
- The dosimeters were exposed in stainless Steel chambers by Saphymo (50 Liters) with granitic rocks for periods of 30 days.
- The setup was calibrated at Radon Facilities at CRCN – Belo Horizonte- Brazil
- A active system Alfaguard was also used and acheck again the Lexan detectors
- On our study the Lexan shows the best efficiency



Thank you for your attention