

in the Monitoring of Noble Gas Backgrounds at the Release Source

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The International Monitoring System (IMS) noble gas network has proven to be highly reliable, with many years of routine measurements sent to the International Data Centre. With the deployment of noble gas systems, international experts began to routinely see a noble gas background. This background has continued throughout the years, and every single day, the IMS has a radionon measurement reported. These backgrounds come from civilian sources such as nuclear power plants and fission based medical isotope production facilities. An effort is underway to measure these releases at its source for use by experts to understand the background and their impact on the IMS. This work will highlight the STAX project effort to measure the sources, and the data's uses in understanding radionon measurements in the IMS.

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Promotional text

The issue of radionon backgrounds impact on the IMS continues to be of scientific interest. SnT offers a forum to discuss the scientific and technical efforts ongoing in the community to understand and potentially mitigate the impact on the IMS.

Oral preference format

in-person

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