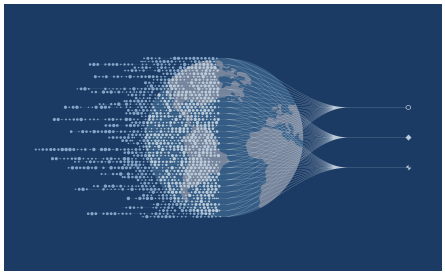

ID: **P3.2-136** Type: **E-poster**

INVAP STAX monitor installation at La Reina RR (Santiago, Chile)

Wednesday 10 September 2025 11:00 (1 hour)

A newly commissioned STAX series monitor, developed by INVAP, has successfully completed factory acceptance tests and demonstrated reliable data transmission in accordance with STAX project requirements. This monitor is scheduled for installation at the La Reina RECH-1 Research Reactor facility in Santiago, Chile, during the first half of 2025. This unit represents an upgraded version of the monitor currently operating continuously since November 2021 at the Radioisotope Production Facility in Ezeiza, Buenos Aires, Argentina, including improvements on software user interface and equipment accessibility and maintainability. The system has undergone rigorous calibration and finetuning of its electronic setup and detection system, which features an ORTEC Coaxial P-type HPGe Gamma-Ray Detector with 10% efficiency, an ICS Integrated Cryocooling System, and an Ultra-High Count-Rate Preamplifier. These optimizations enhance measurement performance, allowing for precise monitoring of high-activity concentration emissions even in low-dilution conditions.
This presentation will cover the technical characteristics, performance metrics, and preliminary results achieved with this advanced monitoring system.

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In-person or online preference

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Session Classification: P3.2 Radionuclide Technologies and Applications

Track Classification: Theme 3. Monitoring and On-Site Inspection Technologies and Techniques: T3.2 Radionuclide Technologies and Applications