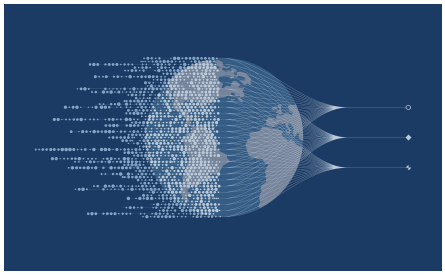

ID: **P3.6-212** Type: **E-poster**

Calibration Comparison

Development of methods to reliably and accurately calibrate fielded radioxenon systems is more important than ever due to the newest generation of radioxenon systems driving detection sensitivity levels ever lower. This presentation will discuss measurement accuracy when using simulated data for calibrations. An assessment of system accuracy and detection sensitivity using simulated data, radioxenon calibration gas, and a hybrid of the two methods will be made using test data with known measurement results from Xenon International. Recommendations on use of simulated data for calibration will be provided.

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Session Classification: P3.6 Analysis of Radionuclide Monitoring Data

Track Classification: Theme 3. Monitoring and On-Site Inspection Technologies and Techniques: T3.6 Analysis of Radionuclide Monitoring Data