

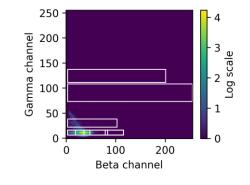
A Calibration Procedure of Beta-Gamma Coincidence Measurements in the International Monitoring System Network Using four Radioxenon Spikes

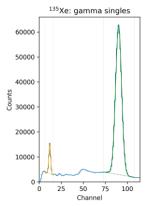
lightning Talks

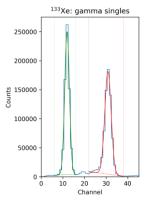
B. Liu, R. Britton, S. Yoon, A.V. Davies, N. Hermanspahn, H. Gohla, J. Bare, M. Kalinowski CTBTO, Vienna, Austria

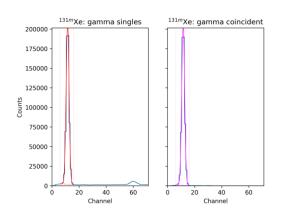
Calibration procedures for noble gas systems with 4π geometry

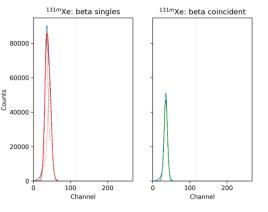
- **IDC-4X**: The efficiency of 30 keV X-rays, estimated by the Xe-131m spike, is the same for all xenon spikes in the peak fitting method and transferred to other gamma energies.
- FOI-2X: (SAUNA II and III) The x-ray efficiency was estimated based on a smaller ROI-5 and used to derive the efficiency of 81 keV gamma.
- **PNNL-4X: (XeInt.)** X-ray efficiencies were estimated independently for each spike, resulting in different X-ray efficiencies for each xenon accordingly.
- CEA-2X: (SPALAX NG) Non-4π geometry, relative measurement; Gamma efficiencies are estimated by standard sources (air equivalent plastic).











If you want to learn more about this, come see my e-poster during session 3.6 on Wednesday 21st or access it online on the SnT2023 Conference platform!