

FAST ANALYSIS OF GROSS ALPHA WITH A NEW PLASTIC SCINTILLATION RESIN

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- New method for gross alpha using a PSresin has been developed.
 - Separation and measurement in one step
- The extractant chosen was a derivate of the methanediphosphonic acid
- 100% retention of actinides, Ra and Po at pH 2
 - Yield determination: visually or by UV-VIS analysis.
- Sample volume up to 400 ml
- Real and Interlaboratory samples measured
 - Comparable results to LSC
- Similar LoD than LSC with less analysis time (5 hours) and less waste.

Poster 051



Session: Techniques for low-level α -particle, β -particle and γ -ray measurements (TFABG)