

Precision measurements of beta-particle energy spectra with a calorimetric technique

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Sensitive searches for new physics have motivated the exploration of new techniques for the measurement of the beta-particle energy spectra. We describe here several experiments which use a calorimetry technique with inorganic scintillating crystals along with implanted radioactive beams to produce a 4π geometry. We will discuss technical details including major advantages but also current limitations and possible perspectives.

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