

Total Absorption Gamma-ray Spectroscopy of Exotic Nuclei

The total absorption gamma spectroscopy technique (TAGS) is one of few methods available that provide beta decay data free from the systematic error called Pandemonium effect. The technique is relevant for nuclear structure, in cases where a proper determination of the beta decay strength in the daughter nucleus is necessary. Beta decay data is also of great interest for practical applications in particular for those related to reactor applications like the determination the reactor antineutrino spectrum in reactors and the estimation of the decay heat after reactor shutdown.

In this talk, I will present the technique, and present some examples of recent measurements of relevance for reactor applications and nuclear structure.

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