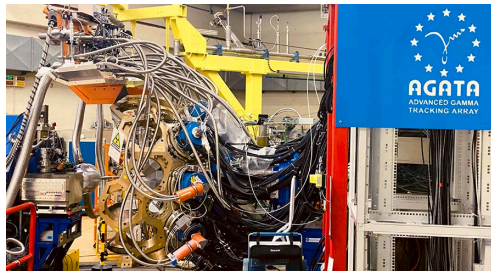


## The 24th AGATA Week - ACC Meeting



ID de Contribution: 61

Type: Non spécifié

### DSAM of $^{56}\text{Ni}$ and $^{60}\text{Zn}$

*jeudi 12 septembre 2024 15:15 (15 minutes)*

In this contribution, we will present the current state of the analysis of experiments 23.07 and 23.09 studying the  $^{56}\text{Ni}$  and  $^{60}\text{Zn}$  isotopes. The goal of these experiments is to investigate the  $N=Z$  region by measuring lifetimes using the DSAM technique. These experiments were performed back-to-back, using an identical  $^{16}\text{O}@80$  MeV beam and an identical AGATA+OSCAR (dE-E telescope) setup. Currently, the analysis is in the setup phase, aiming to optimize the energy calibration of the telescopes to achieve the best excitation energy resolution. Clean selection of the populated excited states is crucial for the final DSAM analysis.

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**Classification de Session:** ACC