

AGATA Performance

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Team

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Performance...?

The product (weighted power sum...?) of

- Detector performance
- Performance of electronics/DAQ
- PSA
- γ -ray tracking
- Analysis methods

What we are trying to achieve

In general

To give information about some of the factors, and show the present status of the final product by, hopefully, offer you a set of presentations and the possibility to openly discuss the "performance" of AGATA.

Some "actions" we've decided on

- 1 Performance group should make sure a good measure of detector resolutions, neutron damage etc is done before and after campaign. Of course in collaboration/support of detector group.
- 2 "Our" responsibility to quantify losses as compared to estimates in proposals.

And some aspects of the paper on performance of AGATA at GANIL that is being written by the group

A paper was submitted quite some time ago and we have got an answer from a referee (number 2, no trace of number 1 in communication from NIM A...)

Reviewers' comments:

Reviewer #2: This paper needs a lot of work before it could be considered for publication. First off all, the English is insufficient. For a formal paper, there should be some minimum standard and this paper does not meet it. There are numerous colloquial statements. I cannot understand why the co-authors did not manage to correct at least some of the many bad sentences and typos.

But to be serious, look at AGATA performance as of today

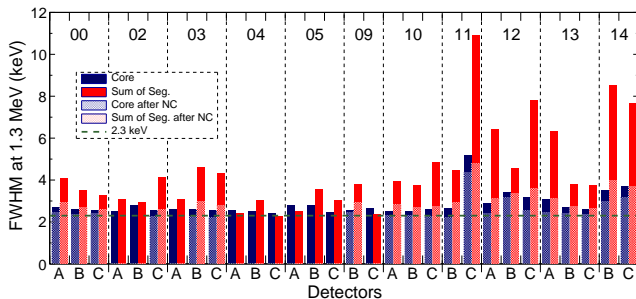


Figure: Resolutions at 1.3 MeV

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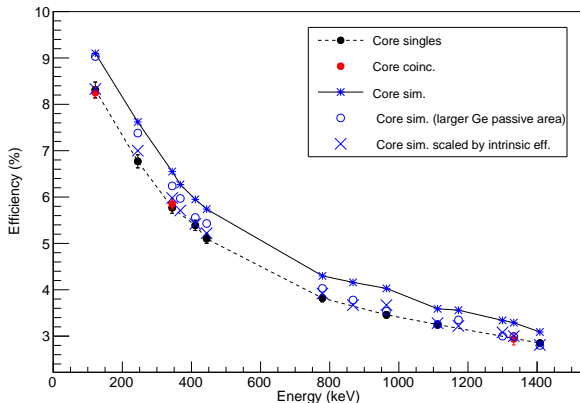


Figure: Efficiency for sum of cores

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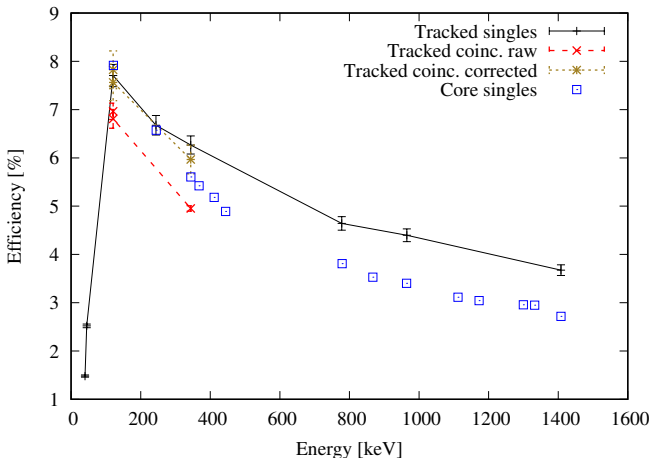


Figure: Tracking efficiency for 29 crystals

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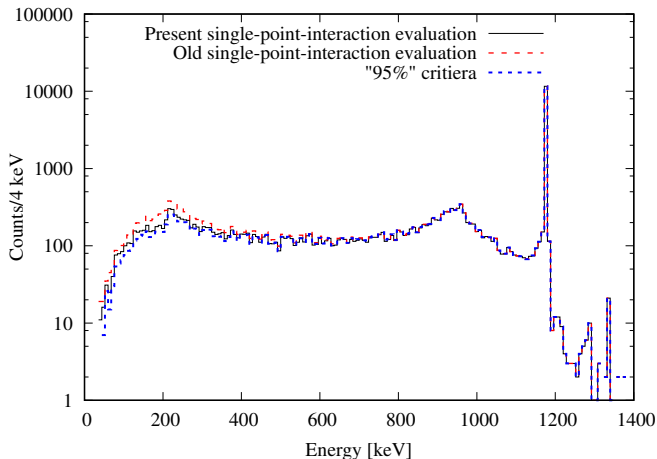


Figure: Improved tracking improved peak-to-total

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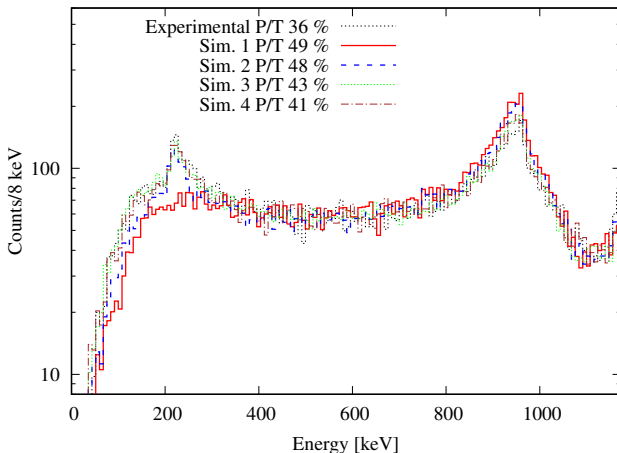


Figure: Understanding with help of simulations

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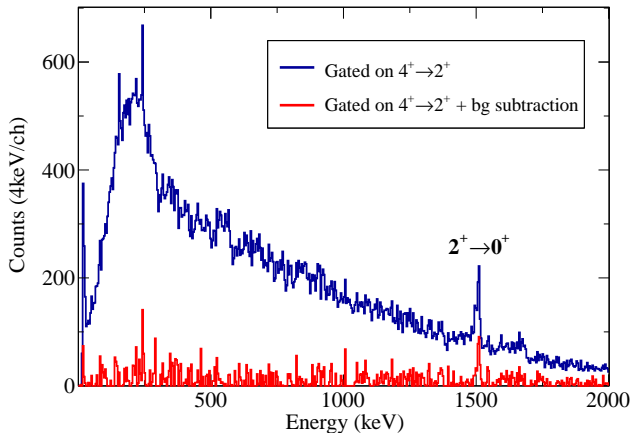


Figure: In-beam efficiency studies

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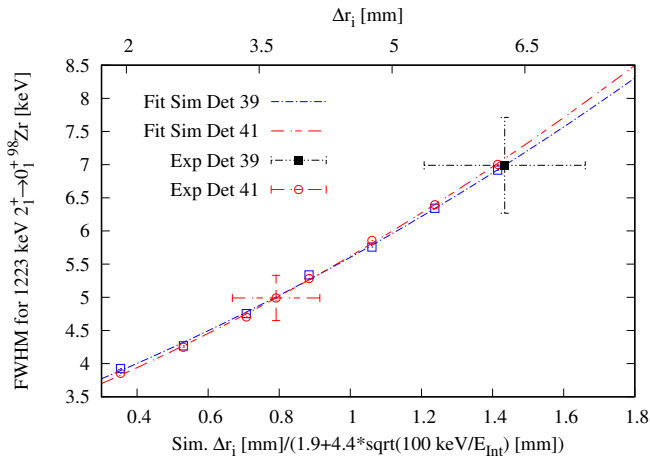


Figure: Position resolution estimates for PSA

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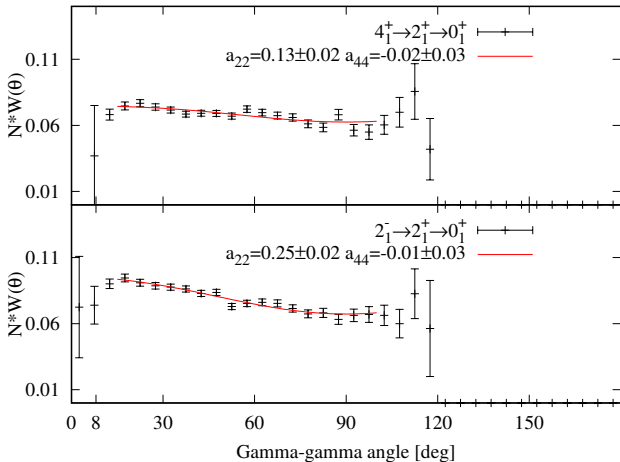


Figure: Started looking at Angular Correlations