AGATA Performance

Joa Ljungvall with the acceptance of the Performance team

September 12, 2018

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.

How we try to work as a group

Too recently we have restarted monthly meetings...

- AGATA Performance Workgroup *<2018-06-08 Fri 09:30>*
- AGATA performance Workgroup *<2018-07-24 Tue 10:00>*
- AGATA performance workgroup *<2018-09-05 Wed 10:00>*

And I try to make agendas for the meetings and write minutes. If interested send an email to me (Joa Ljungvall) and repeat until I answer if needed.

In this session

A few presentations.

1. This introduction (J. Ljungvall)
2. Simulations with real Efficiencies (M. Labiche)
3. AGATA+NEDA+DIAMANT performance (E. Clément)
4. In-beam efficiencies of AGATA (R.M. Perez Vidal)+Angular correlations with AGATA (R.M. Perez Vidal) presented by J. Ljungvall
5. Angular correlations - a discussion (J. "Again:-(" Ljungvall)

And finally

And, to us an important point

An open discussion on the performance of AGATA during the physics campaigns

The idea is an open discussion around AGATA performance from the users, i.e. physics production point of view.

- Does it work as you thought?
- Does it work as you wish?
- Strong points?
- Weak points?
- Questions...