

NEW To-Do List

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|--|---------------|
| 1. Reanalyse scan data with new basis (swap 2 segments) | MC |
| 1. Debug new gdecomp, front end | DCR |
| 2. Modularize gdecomp >> snapshot | DCR, CL, JC |
| 2. Standard test set | DCR/KL, JP |
| 2. Yet another new-new basis for PII, PIII, with cross talk, preamp response | |
| 3. (Re)analysis of PIII LBNL & MSU in-beam data | MC, PF, JP |
| 4. Develop & implement new, more meaningful metrics | IYL, MC, DCR |
| 4. Investigate N_{int} determination in SVD with realistic energy split | ID |
| 5. (by 07/04?) Hybrid SVD+AGS+SQP algorithm library | Many |
| 5. Examine failure modes in detail - AGS, SVD, Tracking | All |
| 6. Allow for occasional three interactions/segment in AGS? | DCR |
| • Improve determination of event time (t_0) | PC, ?????, MD |
| • Understand hole drift velocity | (ID), MD |
| • Understand charge collection at segment lines and end of crystal | |
| • (by 07/01) More coincidence scan measurements | AOM, JP |
| • (by 07/01) Singles scan measurements | AOM, JP |
| - colimated low-energy on outside surface (for xtalk & sig-gen) | |
| - colimated Cs (x,y) crystal volume | |
| • (by 07/01) Include direction anisotropy in signal calculation | IY |
| • (by 07/03) Calculate signals for quad crystals | IY, KL, JP |

Decomposition:

- Position resolution
- Efficiency at 1.33 MeV (after tracking)
- Peak-to-total ^{60}Co (after tracking)
- CPU time/ throughput

Basis / Signal generation:

- Chi-squared for coincidence scans
- Chisq / position distribution for singles scans

People

Solid-state physics division?

EE and SSP @ UCB

Tech-X: new SBIR?

Sebastian @ ANL

Kai and student @ LLNL

Mike Carpenter?

1-2 students @ NSCL

“formal” approach to AGATA, TIGRESS