



University of Chicago



ANNIE Discussion Topics

Sept 18, 2013

Key Physics Issues

- why is neutron tagging the best approach for PDK bkgd reduction?
- why do we care about how many neutrons are being produced?
- are there other interesting physics questions that can be answered?

Key Technical Issues

- Do we have a strong case to say that LAPPDs are the best way to go?
- Cost? Availability? Likelihood of getting them?
- How few can we live with? Need to resolve chicken-egg issues with funding, cost-per-unit, and detector performance.
- Where are we on simulations/reconstruction? Where do we want to be? How to get there?

Budget

- What will constitute a realistic budget? Including a realistic expectation for LAPPD costs?
- Where do we expect to get money from?
- How much do we ask for from Fermi?
- Can this go in stages?

Institutional Commitments

- Working towards an Institutional Interest Board
- Breaking up the parts of the experiment - FTEs, expertise?
- Who's interested?
- Who do we need to bring to the table?
- Can we get reps from key institutions to attend next week's meeting?