Follow up on 11/2/06 Oxy Meeting

• Criteria for Readout Design Decisions
  • Noise performance
  • Readout quality
  • Dead time/area associated with vetoing Rn backgrounds

• Comments:
  • Need studies:
    1. Quantify above characteristics with data
    2. What else lurks in the Rn chain?
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• Laundry List of Questions
  • What is the signal speed? Signal size? Signal:Noise? (for each event type)
  • How well does charge discrimination work for finding the wire where a (multi-wire-crossing) event starts?
  • How would the trigger rate change if S:N changes (at ~1k NIPS), impact?
  • What is the ADC to energy conversion now, and how would it change if replace 10 bit with 14 bit ADCs? What dynamic range is needed, will non-linear ADC response work?
  • Electronics calibration?