

## **UCR Participants: Ken Barish, Sean Priens, JianJun Huang, Eleanor Gentry**

### **Board Design and Testing: (Sean, JiaJun, Eleanor)**

- 1) Complete board design (Sean Priens). Timeline 1-2 weeks.
- 2) Order boards to test (JiaJun). 1-2 week lead time.
- 3) Test boards (JaiJun, Eleanor), + collaborators: a) continuity test; b) assemble boards; c) cosmic ray tests. Good for collaboration, learning population techniques, etc.
- 4) Write up the official assembly, inspection, and test plan for the final ZDC detector. (based on PED report). (Sean/JiaJun? + collaborator input)

Outstanding questions: 1) cost estimate for boards; 2) what parts need to be ordered, costs, leadtime (especially for SiPMs).

### **Testbeam: (Eleanor and JiaJun)**

- 1) Ideally, after the board design is validated, order, assemble, and populate for the test beam.

Outstanding Questions: a) how many boards (depending on testbeam). b) funds. Great for collaboration. Both in assembly, data taking, and analysis.

### **Software: (Sean, Eleanor)**

- 1) hexagon -> rectangle performance. Sean was working with SeboGH. Work in progress.
  - 2) adding noise -> more realistic simulation with reconstruction (Eleanor)
- Collaboration: would be good to expand group.

### **Physics Performance Studies (Eleanor)?**

#### **Production:**

CD3 review isn't until 1/2029? Plan to involve many undergraduate students. Yulia to confirm if labor was coded as in-kind.