



PID Detector Review

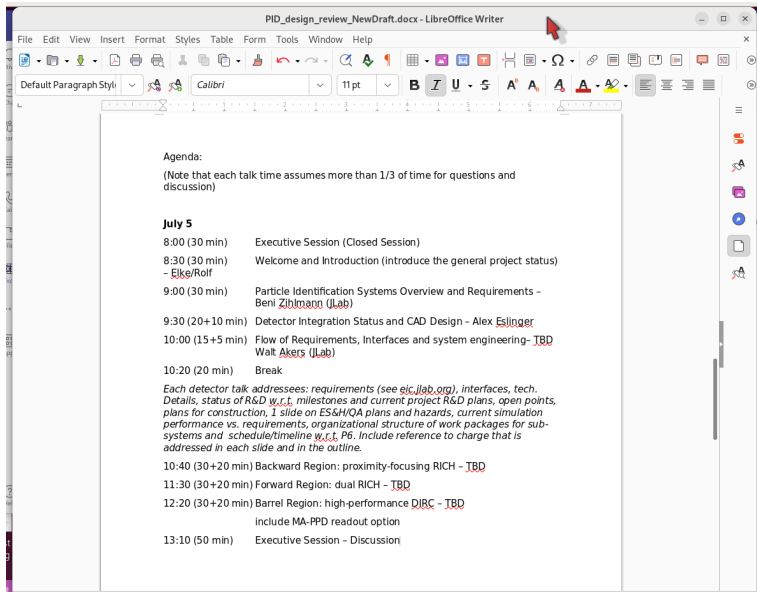
Benedikt Zihlmann



Review Information

- July 5 and 6
- The review is NOT public (need of list)
- Day1: Cerenkov detector systems
- Day2: TOF detector systems, electronics and photo sensor systems
- Charge to the Review Committee:
 - Are the technical performance requirements appropriately defined and complete for this stage of the project?
 - Are the plans for achieving detector performance and construction sufficiently developed and documented for the present phase of the project?
 - Are the current designs and plans for detector and electronics readout likely to achieve the performance requirements with a low risk of cost increases, schedule delays, and technical problems?
 - Are the fabrication and assembly plans for the various particle identification detector systems consistent with the overall project and detector schedule?
 - Are the plans for detector integration in the EIC detector appropriately developed for the present phase of the project?
 - Have ES&H and QA considerations been adequately incorporated into the designs at their present stage?

Agenda Day 1



PID_design_review_NewDraft.docx - LibreOffice Writer

File Edit View Insert Format Styles Table Form Tools Window Help

Default Paragraph Style Calibri 11 pt B I U S A A A A

Agenda:

(Note that each talk time assumes more than 1/3 of time for questions and discussion)

July 5

8:00 (30 min) Executive Session (Closed Session)

8:30 (30 min) Welcome and Introduction (introduce the general project status)
- Elke/Rolf

9:00 (30 min) Particle Identification Systems Overview and Requirements -
Beni Zihmann (JLab)

9:30 (20+10 min) Detector Integration Status and CAD Design - Alex Eslinger

10:00 (15+5 min) Flow of Requirements, Interfaces and system engineering- TBD
Walt Akers (JLab)

10:20 (20 min) Break

Each detector talk addressees: requirements (see eic.jlab.org), interfaces, tech. Details, status of R&D w.r.t. milestones and current project R&D plans, open points, plans for construction, 1 slide on ES&H/QA plans and hazards, current simulation performance vs. requirements, organizational structure of work packages for sub-systems and schedule/timeline w.r.t. P6. Include reference to charge that is addressed in each slide and in the outline.

10:40 (30+20 min) Backward Region: proximity-focusing RICH - TBD

11:30 (30+20 min) Forward Region: dual RICH - TBD

12:20 (30+20 min) Barrel Region: high-performance DIRC - TBD
include MA-PPD readout option

13:10 (50 min) Executive Session - Discussion



Talk Topics

Each detector talk addresses:

- requirements (see eic.jlab.org),
- interfaces,
- tech. Details,
- status of R&D w.r.t. milestones and current project R&D plans
- open points
- plans for construction
- 1 slide on ES&H/QA plans and hazards
- current simulation performance vs. requirements
- organizational structure of work packages for sub-systems and schedule/timeline w.r.t. P6.
- Include reference to charge that is addressed in each slide and in the outline.



Review Preparation

- **June 16, 8am to 1pm page-turner:**
indico.bnl.gov/event/19827.
 - ~25 slides
 - each slide at least a title
 - include reference to charge
 - pre-brief material like preliminary TDR(by PID detector), P6 excerpt(by CAM)
- **June 23 post all talks** (sent to Elke and Rolf)
- All talks and pre-brief material will be on SharePoint for the review.