Introduction

Proposed agenda for today:

- (This) introduction

- Update on tiling — Peter Jones

- Reminder on impacts from pixel size, material on performance — ES

- SVT services update — Laura Gonella

- AOB

Logistics

We are changing from the EIC silicon consortium to the ePIC SVT DSC

- Indico: https://indico.bnl.gov/category/496/ now lives in the ePIC tracking area

- Wiki: https://wiki.bnl.gov/EPIC/index.php?title=Si_Vertex_Tracker

- Sharepoint area

- Mailing list — not yet

Project R&D

Thank you to everyone who contributed!

Three proposals were submitted: eRD104, eRD111, eRD113 — they are, of course, interdependent/-connected,

Proposals are available via: https://wiki.bnl.gov/conferences/index.php/ProjectRandDFY24

Review will be on August 28, 2023 — c.f. https://indico.bnl.gov/event/20113/

- single presentation — speaker TBD; likely Nicole Apadula or ES

- Known remaining "pre-work":

    - eRD113 on sensor development and characterization needs revision to delineate R&D and PED,

    - Per Thomas Ullrich: status, FY24 proposal, outlook to FY25 (in CD-3 context), and context on *generic* R&D*.

* c.f. https://www.jlab.org/research/eic_rd_prgm/receivedproposals

Project R&D — PED

Project R&D is about essential risks prior to construction,

Project Engineering and Design must be associated with (WBS) entries in P6,

Our effort in the lead-up to the start of construction will entail elements of project R&D *and* PED,

- eRD104 — Oxford effort broken out to PED (just) prior to proposal submission,

- eRD111 — Focuses solely on R&D; PED effort remains to be described/proposed separately,

- eRD113 — Contains both R&D and PED; needs to be delineated,

Brian, Laura, and ES are working our way through the WBS and P6,

An obvious example is designer-effort stationed at CERN — not part of R&D, not (yet) in WBS/P6.

Our Work Package Structure

Work package structure coming out of our kick-off meeting:

- WP1 — Sensor development
- WP2 — Mechanics and cooling
- WP3 — Sensor electrical interfaces
- WP4 — Readout and powering
- WP5 — Integration (and system tests)
- WP6 — Simulations
- WP7 — Interlocks, slow control, run control, monitoring

Laura, ES are working to line this up with project WBS. Initial thoughts on refinement of the structure and on candidates to (co-)lead several of these packages.

For example, it may be natural to break out sensor characterization and test systems from sensor development.   Likewise, it may be timely to consider a "database" work package.

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