

# eRHIC IR Design Meeting

Draft Minutes for Friday, January 31, 2020

## Agenda

<b>1</b>	<b>Detector yellow book related activities—E. Aschenauer</b>	<b>1</b>
<b>2</b>	<b>Physics simulation update—Friends from Physics</b>	<b>1</b>
2.1	Lumi. monitor update—J. Adam . . . . .	1
<b>3</b>	<b>All other business</b>	<b>1</b>
<b>4</b>	<b>Draft agenda for Friday, February 7, 2020 from 2:30 to 3:30 p.m.</b>	<b>2</b>

### 1 Detector yellow book related activities—E. Aschenauer

1. IR yellow book meeting was held last Monday.
2. EIC detector R&D meeting was held yesterday.
  - (a) Users want eRHIC design info.
  - (b) E. Aschenauer will prepare a stripped down version of the pCDR.
  - (c) H. Witte will provide Bmad files once A. Jentsch verifies he gets the same results.
  - (d) Next full meeting of yellow book group will be at Temple University.

### 2 Physics simulation update—Friends from Physics

#### *2.1 Lumi. monitor update—J. Adam*

Title: “Event rates in photon detector and pair spectrometer for luminosity monitor”  
File: [JA-Lumi\\_20200131.pdf](#)

1. Simulations run for highest luminosity value for top energy, not overall highest luminosity.
2. May not have instantaneous coincidence rate during operation.

### 3 All other business

1. H. Witte: Submitting abstract to DIS 2020 on EIC IR.
2. A. Blednykh: Gave presentation on vacuum system (presented draft at last meeting on Friday, January 24, 2020).

**4 Draft agenda for Friday, February 7, 2020 from 2:30 to 3:30 p.m.**

1. eR lattice update—J.S. Berg
2. Correction scheme for IR—S. Peggs
3. Synchrotron radiation meeting summary—H. Witte
4. All other business