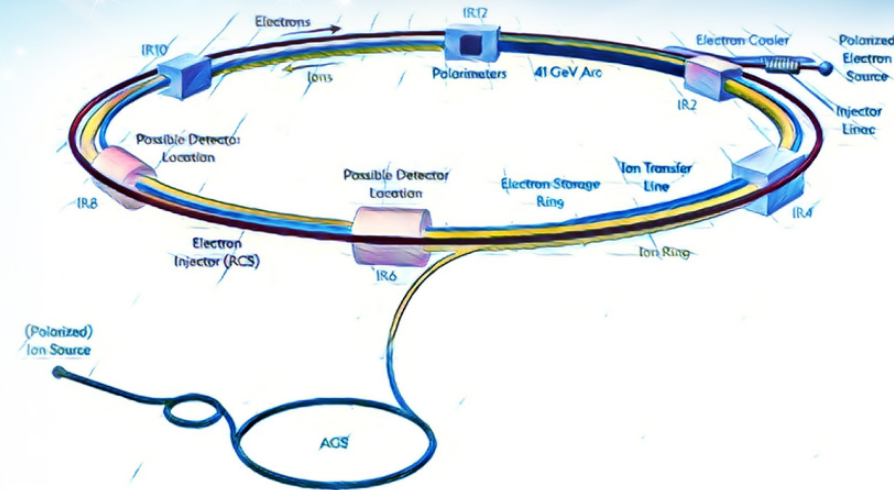




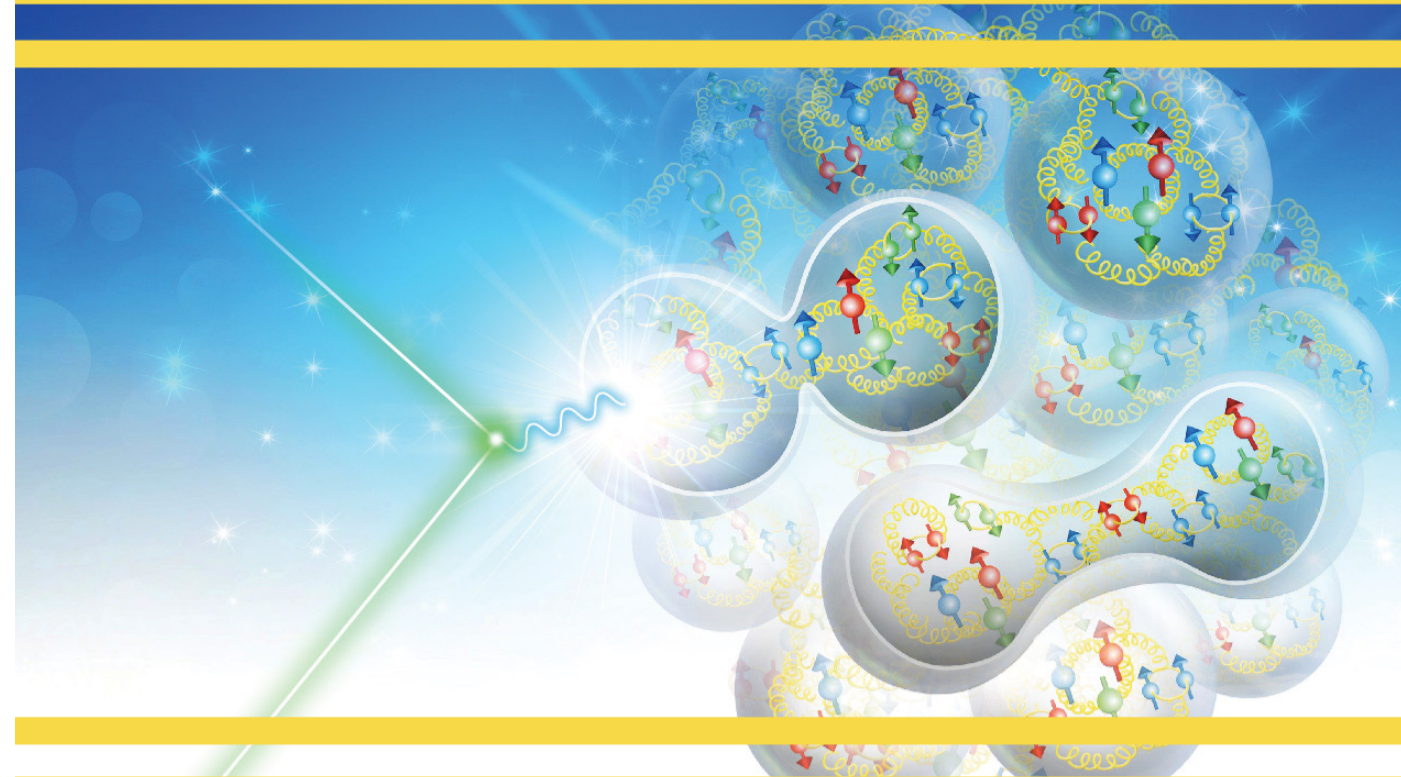
EIC YELLOW REPORT

Volume I: Executive Summary



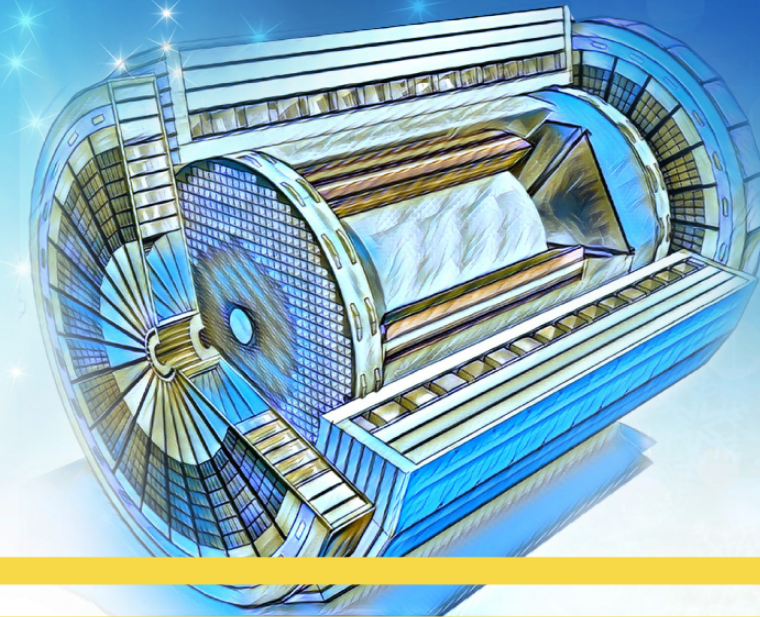
EIC YELLOW REPORT

Volume II: Physics



EIC YELLOW REPORT

Volume III: Detector



Current Timeline (as revised at 4th YR workshop)

- November 1 - November 18 SC starts assembly of independent review team (readers) ✓
- November 19 Full Yellow Report draft available ✓
- November 19-21 4th Yellow Report Workshop ✓
- November 22 - December 20 Editing by SC, Conveners and Sub-conveners ✓
- December 21 - January 6 Period of web-based EICUG community input ✓
- January 6 - January 13 Editing of Yellow Report(s) folding in community input ✓
- January 13 - January 31 Independent team reads and comments ✓
- January 12 Post YR draft as pre-brief material for CD-1 review ✓
- February 1 - February 15 Final editing of Yellow Report(s) to fold in reader comments
- February 22 Release of Yellow Report(s) including putting on arXiv

So far all on track

Current Timeline (as revised at 4th YR workshop)

- January 12, 2021

Post YR draft as pre-brief material for CD-1 review ✓

From CD-1 closeout (January 29, 2021):

Finding: *“The experimental equipment plan is based on the Yellow Report that was completed in January 2021 by the growing EIC user community. In addition, 47 Expressions of Interest for contributions to the detectors were received that cover all detector systems.”*

Finding: *“Performance requirements for a general-purpose (reference) detector that can deliver the science program have been defined and summarized in the CDR (editors note: the CDR and YR were identical here). The main detector sub-systems and their primary technology choice as well as alternative technologies have been identified.”*

Comment: *“The process for making final detector technology and design choices and for engaging the community in delivering Detector 1 (and exploring the feasibility of having a Detector 2) is well thought out and under way. The Yellow Report includes important design and performance studies that define detector requirements.”*

Charge question 1.: Does the EIC conceptual design meet the scientific goals as described in the NSAC Long Range Plan and the performance expectations identified in the mission need statement? ...

Answer: *Yes. While the EIC reference detector has not fully matured, the design can meet the scientific goals and performance expectations as laid out in the Yellow Report.*

THANK YOU!!!

Yellow Report - Reviews

Community Review:

- Received input from 37 members
- Varying level of comments $O(1)$ - $O(100)$

External Readers:

- Received comments from 33 readers (some are late but promised)
- Many comments & wide range of opinions
- Overall complimentary! But of course, many suggestions for improvements
- Strategy agreed with WG: Sub-WG conveners work on specific comments in their chapters, WG conveners on general issues and comments crossing section lines. Needs lots of communication.
- Editorial Meeting on Friday, February 5 with physics & detector conveners

Many thanks to tech. editor Douglas Higinbotham for debugging, compiling and preparing the drafts for the reviews!

To-Do

- Incorporate comments were applicable (Convener/Sub-Convener/SC)
- Many plots need improve clarity (All)
- Verify and finalize Author list (All)
- Verify and finalize Acknowledgments (All)
- Decide on final layout (SC & Tech. Ed.)
- Finalize covers (Yulia & JLab Graphics)
- Document Numbers (Rolf & Thomas)



Almost there ...