

Convenor update

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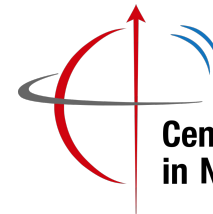
Joint Inclusive/EW+BSM PWG Meeting, 05/20/2026



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New Early Science Matrix



Update from PAC:

○ Early Science -> the new Matrix

• Assumptions:

- Running 30 weeks/year
- 2.5 hour turn around time
- 80% facility availability

• Config.s also possible:

- ep 5x100: 0.5 fb⁻¹/year
- eAu 5x110: 2 fb⁻¹/year
- eAg 5x110: 2 fb⁻¹/year

○ Simulations:

- **ESR:** Use April campaign, just rescale the lumi
- **NIM-A:** new energies!

Species	Beam energy (GeV)	Integrated luminosity	Electron-beam polarization	Hadron-beam polarization
<i>e+Ag</i>	9 × 115	1.0 fb ⁻¹	NO	N/A
<i>e+D</i>	9 × 130	1.5 fb ⁻¹	LONG	NO
<i>e + p</i>	9 × 130	1.0 fb ⁻¹	LONG	TRANS and/or LONG
<i>e + p</i>	9 × 275	2.5 fb ⁻¹	LONG	TRANS and/or LONG
<i>e+Au</i>	9 × 100	1.0 fb ⁻¹	LONG	N/A
<i>e + ³He</i>	9 × 166	1.5 fb ⁻¹	LONG	TRANS and/or LONG

Table 1: EIC Early Science Matrix. The eA luminosity is per nucleon.

Remember: we are not making a running plan

○ Updated Roadmap to ESR

- **May 29** - hand over a second draft to the referees
- **June 10** - feedback from the referees
- **June 16** – circulation to the Collaboration. Request feedback by **June 23**
- **July 1** – prior to the Collab meeting in Glasgow

Simulation status



- Pythia8.316-1.0 ep 9x275, 9x130
 - New version of Pythia8
 - Tested with [eID benchmark code](#) that Sakib is adding
- BeAGLE samples
 - Kong: System update caused old BeAGLE to not be able to run at SDCC. Experts are trying to install BeAGLE on new machines. In the meantime, Jan & Arjun might be able to help generate new samples
 - Requested: eHe 9x166, eAu 9x100, eCu 9x115
 - Any other request?
- Background study samples
 - 10x100 samples available
 - Simulation team will work on generating new samples