

Updates from PACs

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- **Previous workshops:**
 - September 13, 2024: <https://indico.bnl.gov/event/24432/>
 - January 2025, plenary @ Collab. Meeting: <https://agenda.infn.it/event/43344/timetable/#20250122.detailed>
- **2 days in hybrid format**
 - day 1 – theory discussions
 - day 2 – projections and work by PWGs, software, individual contributions
- **73 registered participants** of whom **32 in person**
- **Goal of this exercise:** highlight expected significant achievements of early years of running without undermining the importance of achieving full EIC capabilities
- **Deliverable:** report to be published by the ePIC Collaboration
 - Not an open-ended effort: strategy and a realistic timeline to be discussed at this Workshop
 - Timelines need to be optimized to not interfere with the Collaboration priority of delivering a pre-TDR by the end of current year, and full TDR + companion papers late next year

Early Science Matrix reloaded

	Species	Energy (GeV)	Luminosity/year (fb ⁻¹)	Electron polarization	p/A polarization
YEAR 1	e+Ru or e+Cu	10 x 115	0.9	NO (Commissioning)	N/A
YEAR 2	e+D e+p	10 x 130	11.4 4.95 - 5.33	LONG	NO TRANS
YEAR 3	e+p	10 x 130	4.95 - 5.33	LONG	TRANS and/or LONG
YEAR 4	e+Au e+p	10 x 100 10 x 250	0.84 6.19 - 9.18	LONG	N/A TRANS and/or LONG
YEAR 5	e+Au e+ ³ He	10 x 100 10 x 166	0.84 8.65	LONG	N/A TRANS and/or LONG

Note: the eA luminosity is per nucleon

In touch with the Project (Elke and Rolf) to Xcheck and keep it updated