

preTDR timeline

S. Dalla Torre (ePIC collaboration meeting, July 27): <https://indico.bnl.gov/event/20727/contributions/93080/>

Only 2 preTDR draft versions in 2024 to minimize the load in view of the end-of-year “milestone”

- **Version0** by **September 29**
 - All preTDR text is there, even if it can be in a rough version
 - Additional material: planning required, part already in
 - Plots for Version0 can make use of a scattered set of simulation campaigns
- During October 2024, internal review process!
 - Recommendations to be integrated in Version1
- **Version1** by **December 1**
 - More refined text
 - Recommendations from the internal review have to be integrated
 - The additional material expected, it can still be in a rough text version
 - Plots for Version1 make use of the **October simulation campaign**
 - Version1 is the material that will be used for the Jan. 2025 DOE OPA review

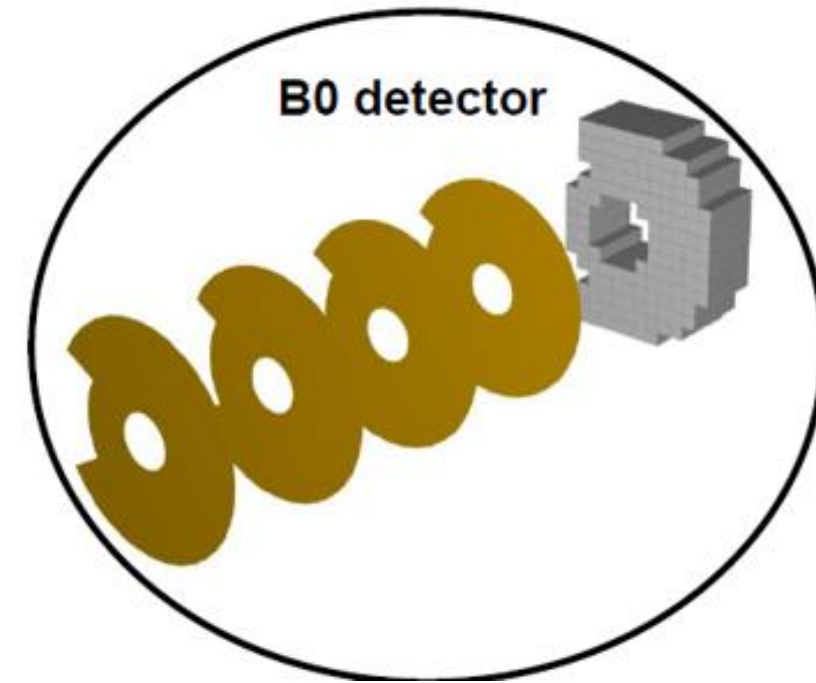
B0 detector - status

ECAL

- Position – fixed
- Geometry (arrangement of the crystals) – fixed

Tracker

- Position – work in progress
 - Fix equal-distance arrangement?
 - Distance of the 4th layer from the ECAL crystals (heat dissipation)
- Geometry: for now, simple geometry with circles
 - Do we have realistic geometry it in CADI?



preTDR - simulation studies

We need to prioritize what is realistic to achieve by the end of September

Performance

- ~~Repeat ECCE plots~~
- Use 2208.14575 as a starting point
- Additional sections? (Soft photons, ToF, ...)

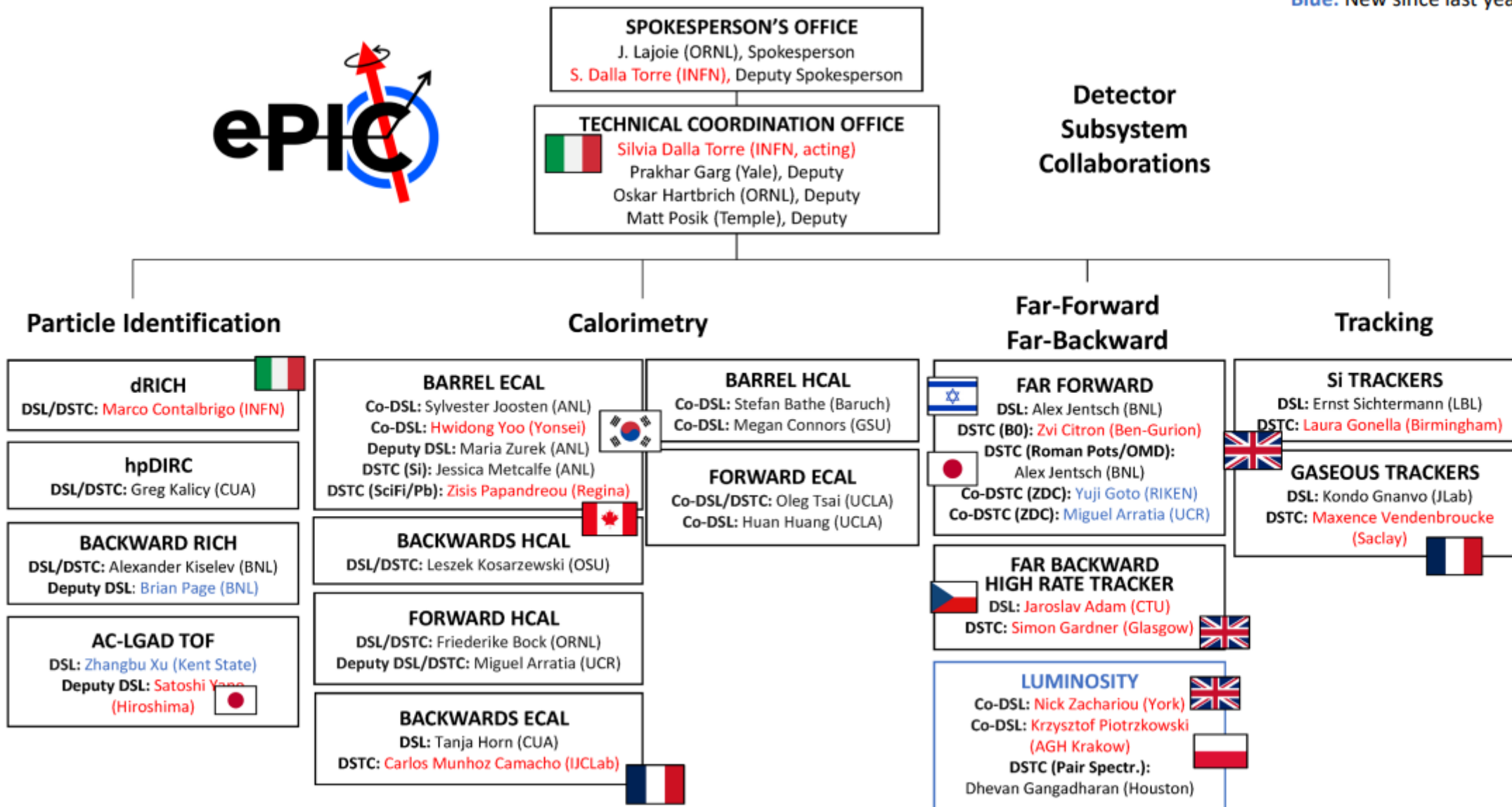
Physics – anything urgent?

- VM production (BGU)
- Photon spectra from Pb ion de-excitation (Eden)
- ~~u-channel backward DVCS (Michal)~~
- Photon-photon interactions (Michael)

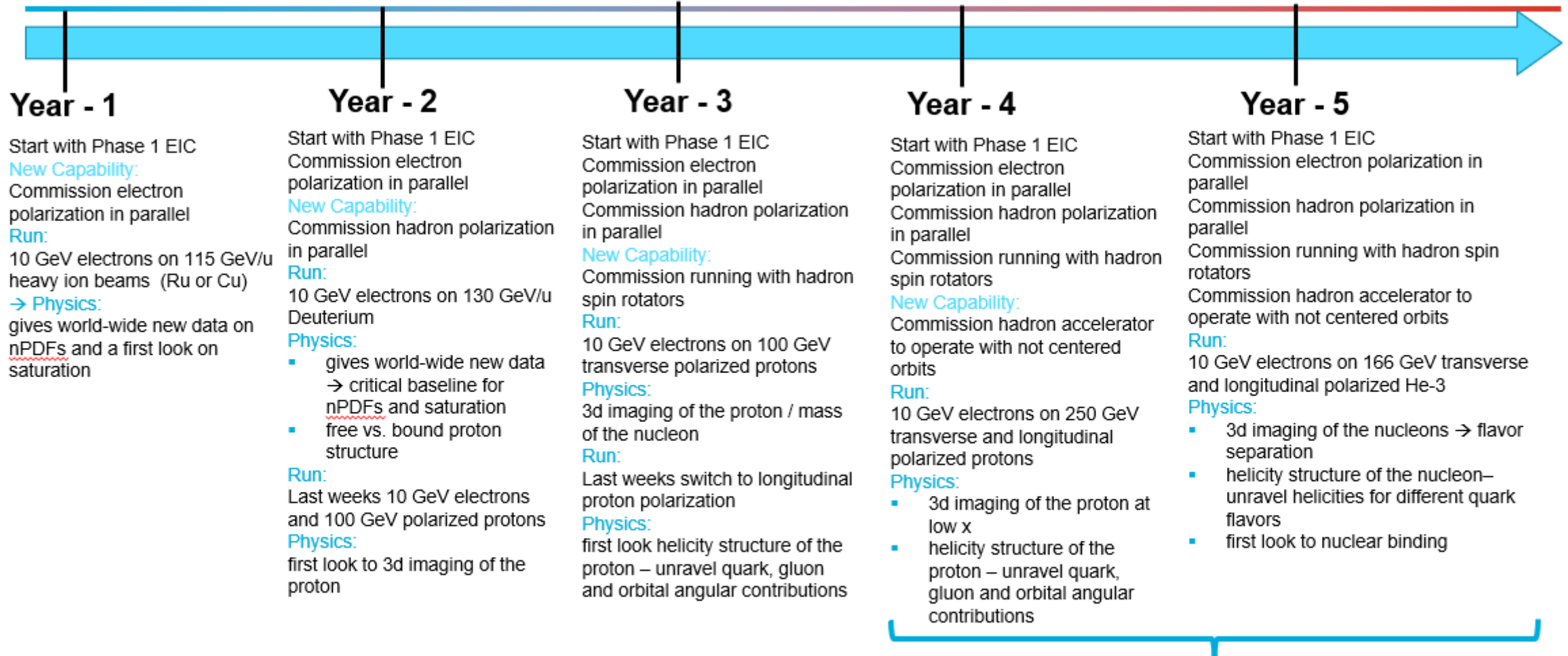
Extras

ePIC DSC Structure

Red: International
Blue: New since last year



Proposal for EIC Science Program in the First Years



Time to install additional ESR RF and HSR PS to reach design Current and max. Energies