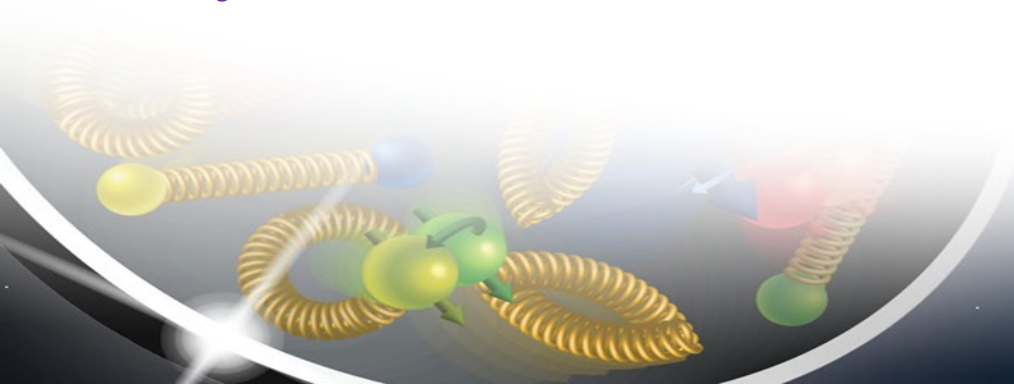


# ePIC Far-Forward Working Group Restructuring

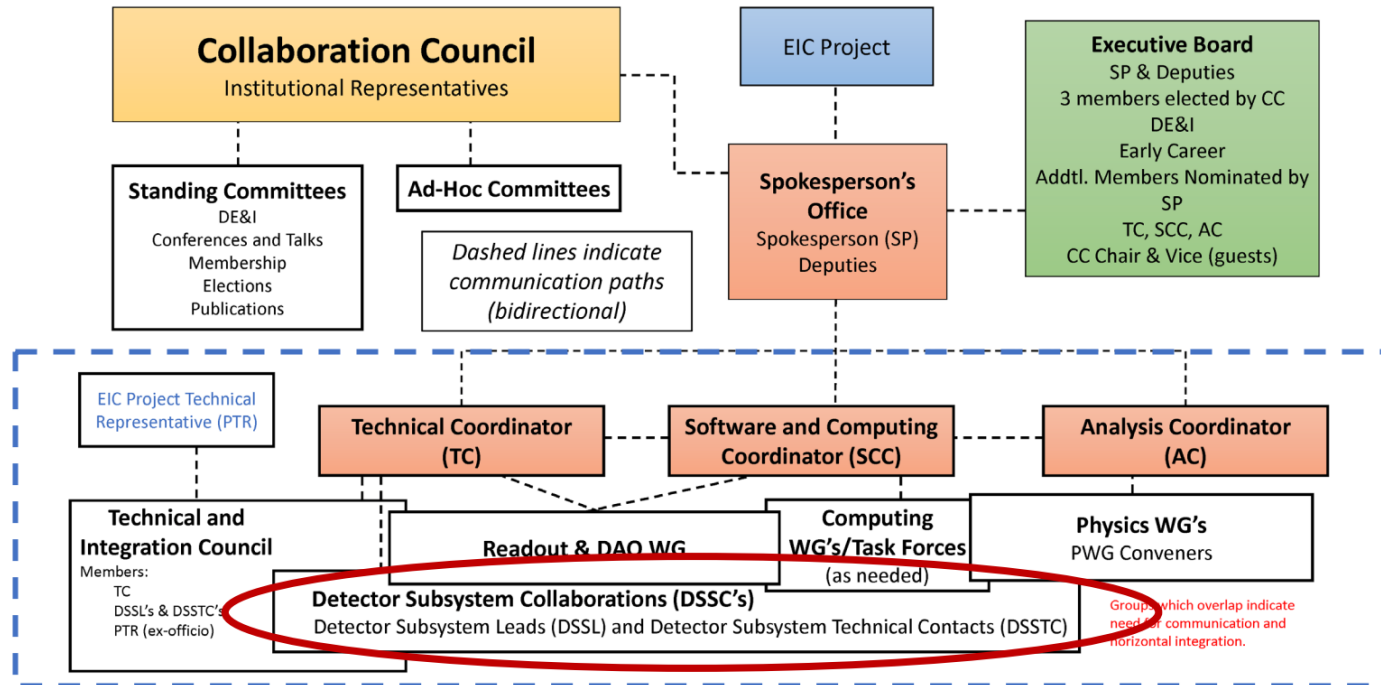
Alex Jentsch, for the conveners  
Feb. 28<sup>th</sup>, 2023

# Context

- Now that we have a spokesperson for the ePIC Collaboration, a management plan is in the process of being implemented.
- This has direct implications for the DWGs.
  - See meeting from last week: <https://indico.bnl.gov/event/18482/>
- **This was expected** – we (the current conveners) were a mashup of the ECCE + ATHENA conveners and were asked to served in an interim role.
  - Went past what was initially envisioned.
- The restructuring of our particular working group is what we will discuss today and will inform the feedback we provide to the management.

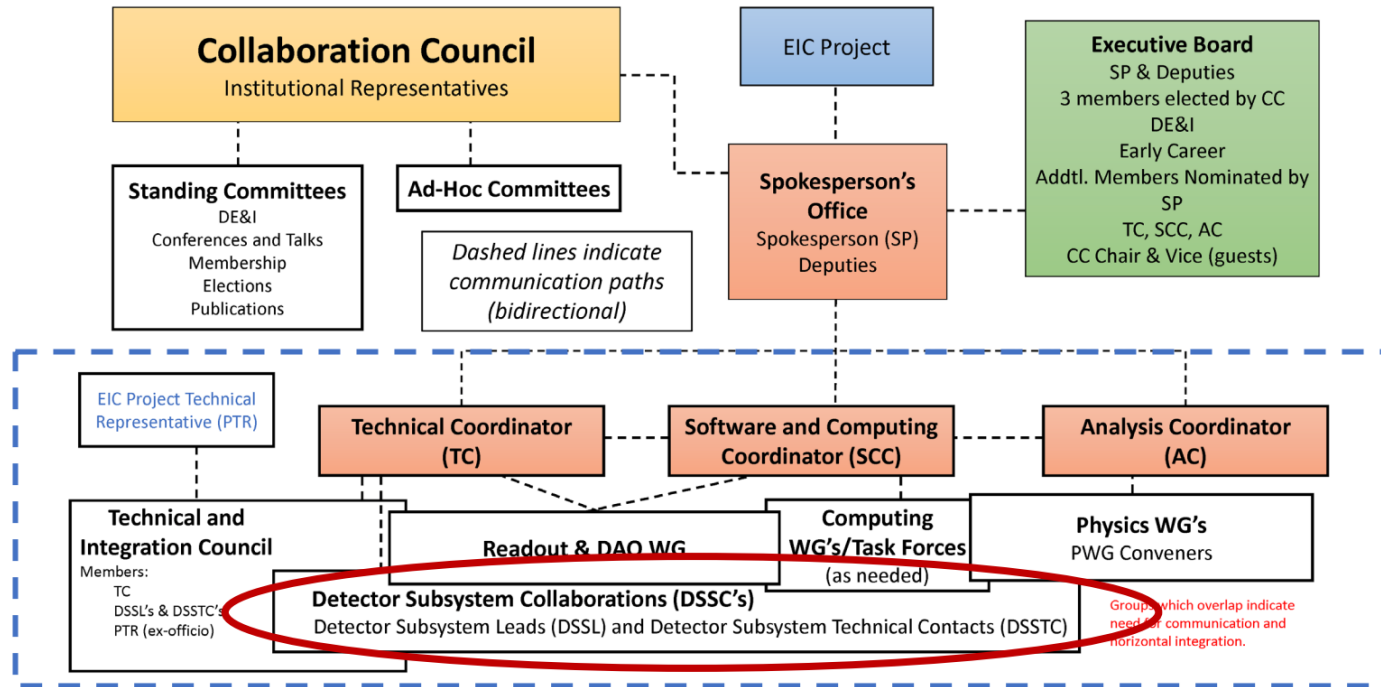


## Collaboration Structure Including the Scientific Structure for the Next Two-Year Term



- **Need to evolve DWGs to a structure more appropriate to the (pre-)TDR/construction phase: *WGs* → *Detector Subsystems***
- **Each project corresponds to a subdetector built by a *Detector Subsystem Collaboration (DSSC)* of the groups and institutions contributing to it**
- **Each project collaboration will choose its *Detector Subsystem Lead (DSSL)* and *Detector Subsystem Technical Contact (DSSTC)***
- **DSSL/DSSTC (Collab.) <-> L4 Tech. Contacts (Project)**

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### Two roles need to be defined in this context:

- **Detector Subsystem Lead (technical and administrative oversight).**
- **Detector Subsystem Technical Contact (guides and oversees technical work, e.g. simulations, prototyping).**

# Far-Forward Working Group → 3 Subsystem “collaborations” (DSSC)

- **Roman Pots + Off-Momentum Detectors**
  - Essentially the same subsystem, with very similar integration constraints.
- **Zero-Degree Calorimeter**
  - Based off of a modified ALICE FoCal.
  - Many interested institutions already coordinating efforts.
- **B0 Detector**
  - Tracker + EMCAL
  - Much work has already been done to establish basic needs, now an effort needs to coalesce around building the subsystems



# Our proposed plan (30,000 ft. view)

Efforts overseen by **one Detector Subsystem Lead (DSSL)** + the EIC project Control Account Manager (CAM – Yulia Furletova) + oversight by various coordinators in management plan.

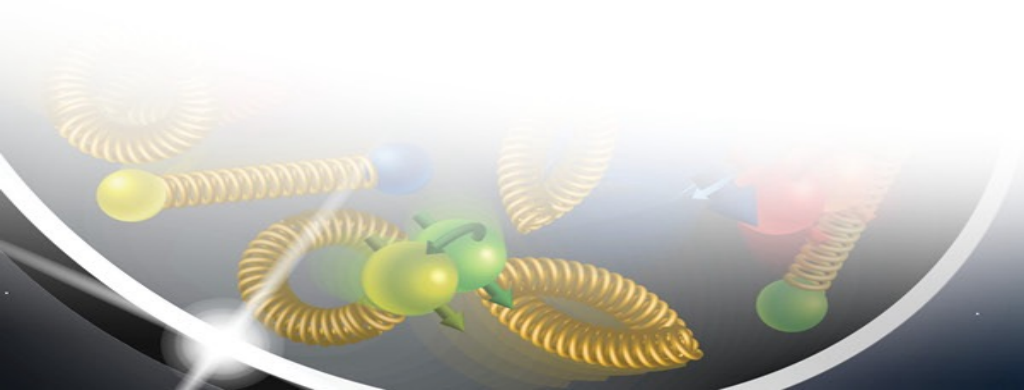
Far-Forward DWG

RP + OMD with **one DSSTC**

ZDC with **one DSSTC**

B0 with **one DSSTC**

Detector Subsystem Collaborations (DSSC)



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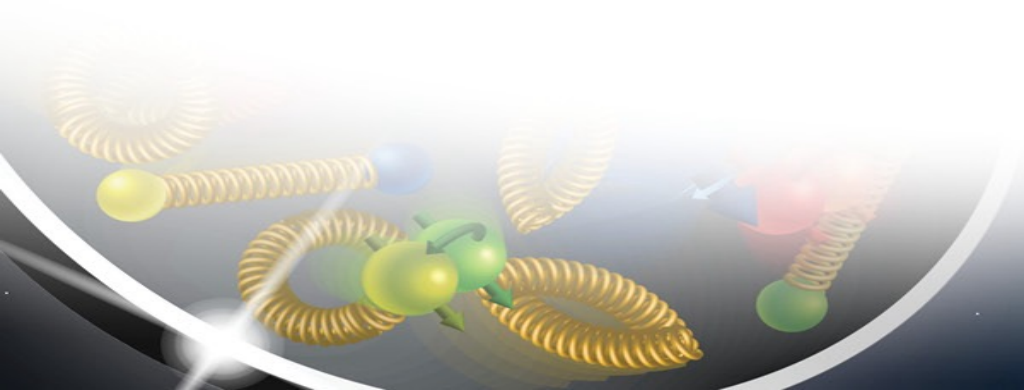
RP + OMD with **one DSSTC**

ZDC with **one DSSTC**

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Detector Subsystem Collaborations (DSSC)

- **The idea here is pretty simple – we want to make the most-efficient use of limited people-power**
  - Each subsystem has its technical lead, who oversees the progress for simulations + design, in concert with collaborators in DSSC and project CAM.
  - The global “working group” meets less-often when progress is made in a subsystem – these global efforts coordinated by DSSL.
  - DSSL coordinates DSSC efforts with collaboration (e.g. GD/I).



# Discussion

- Our plan would be to dissolve the weekly “global” meeting and move to more-focused meetings for individual subsystems.
- **We don't preclude DSSTCs from appointing deputies to help, it just seems like overkill to have a DSSL + DSSTC for each subsystems.**
- Our subsystems are inter-connected in many ways and have overlapping physics → we cannot operate completely independently.
  - The DSSL's job is to ensure areas of overlap are respected.
- This plan requires **four people** be nominated to the various roles we have identified.
  - We want this process to be carried out by the working group members, but we don't have enough people to justify a strict voting process.
  - DSSTC + DSSL nominees ideally would be people well-acquainted with the technical requirements of the subsystems.

