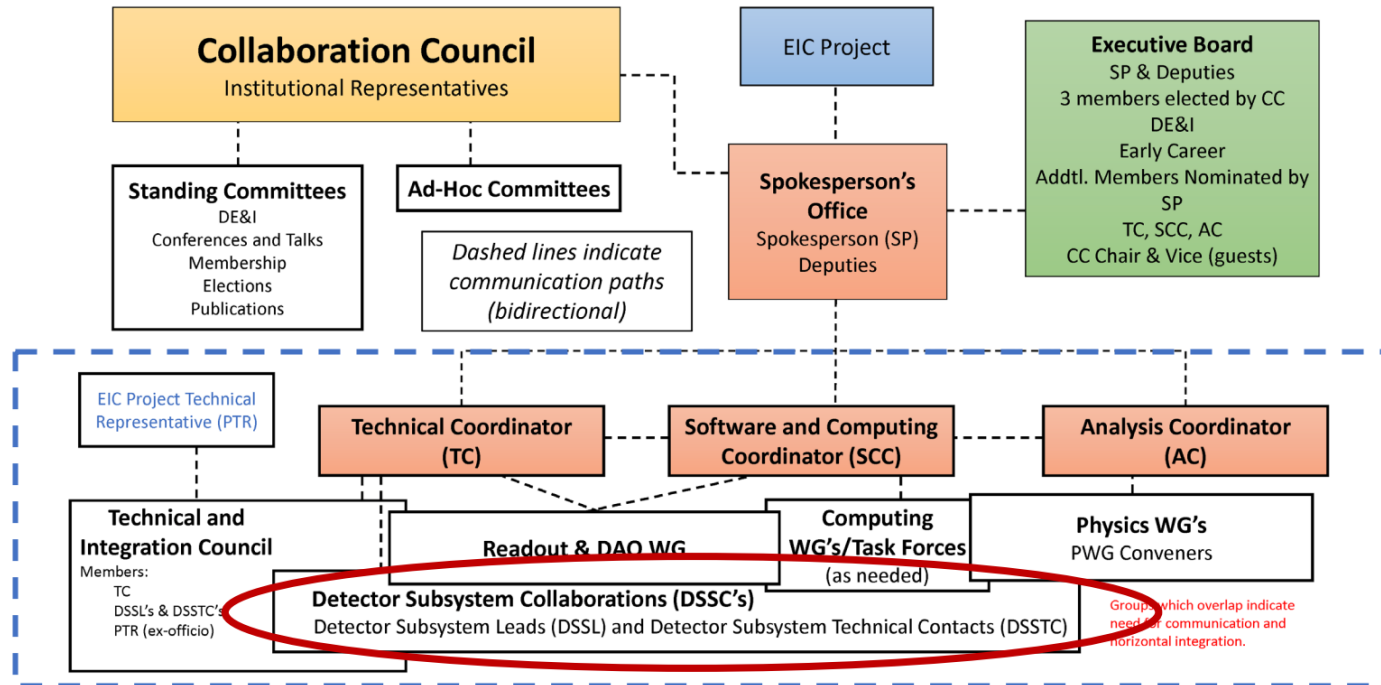




ePIC Far-Forward Working Group Restructuring

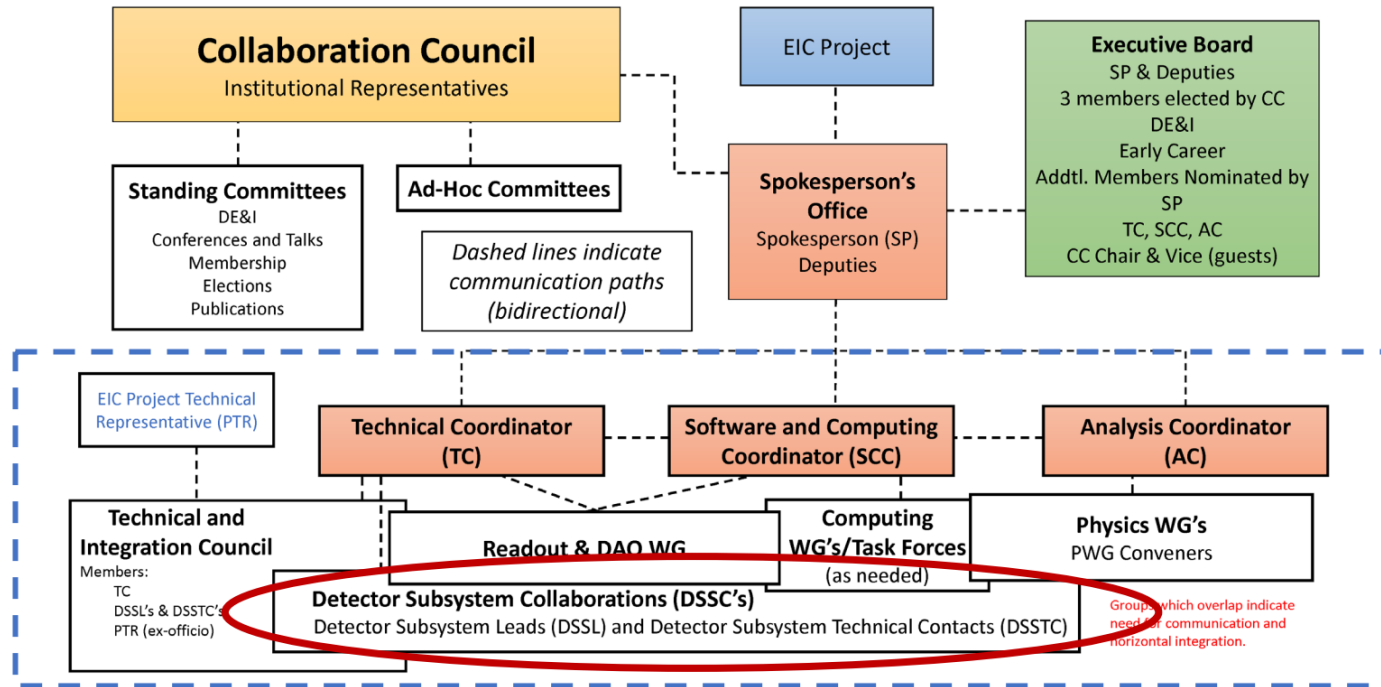
Alex Jentsch, for the conveners
March 7th, 2023

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.

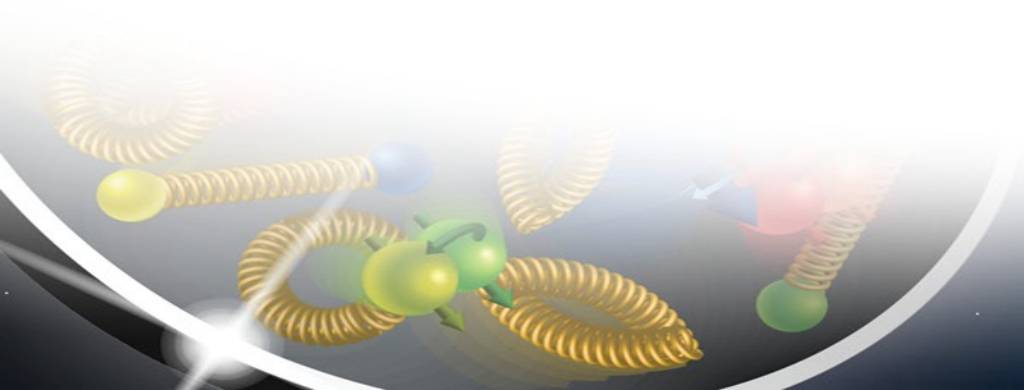
Far-Forward DWG

RP + OMD with **one DSSTC**

ZDC with **one DSSTC**

B0 with **one DSSTC**

Detector Subsystem Collaborations (DSSC)



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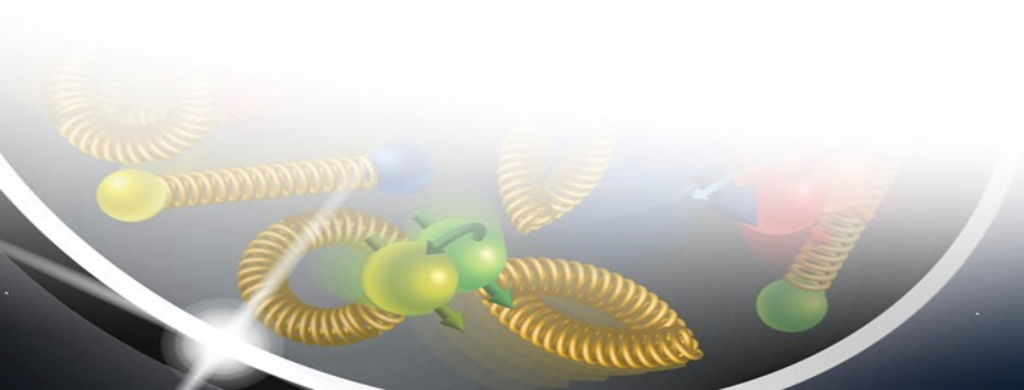
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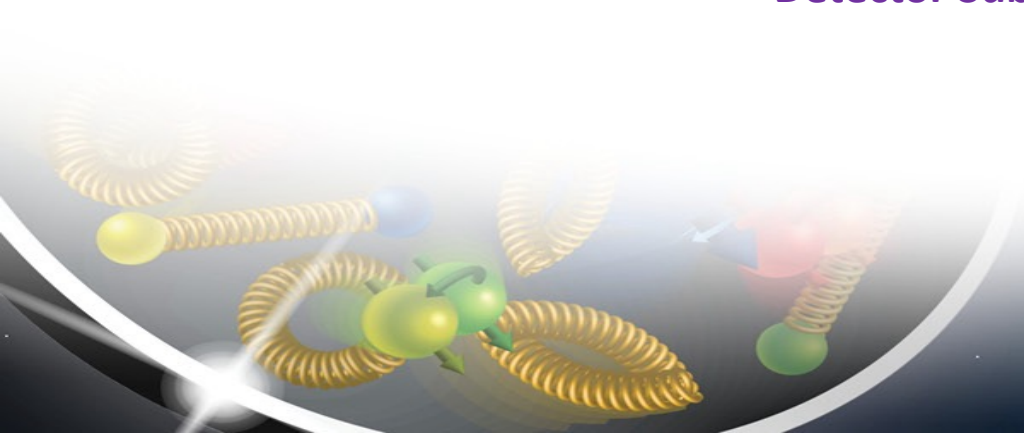
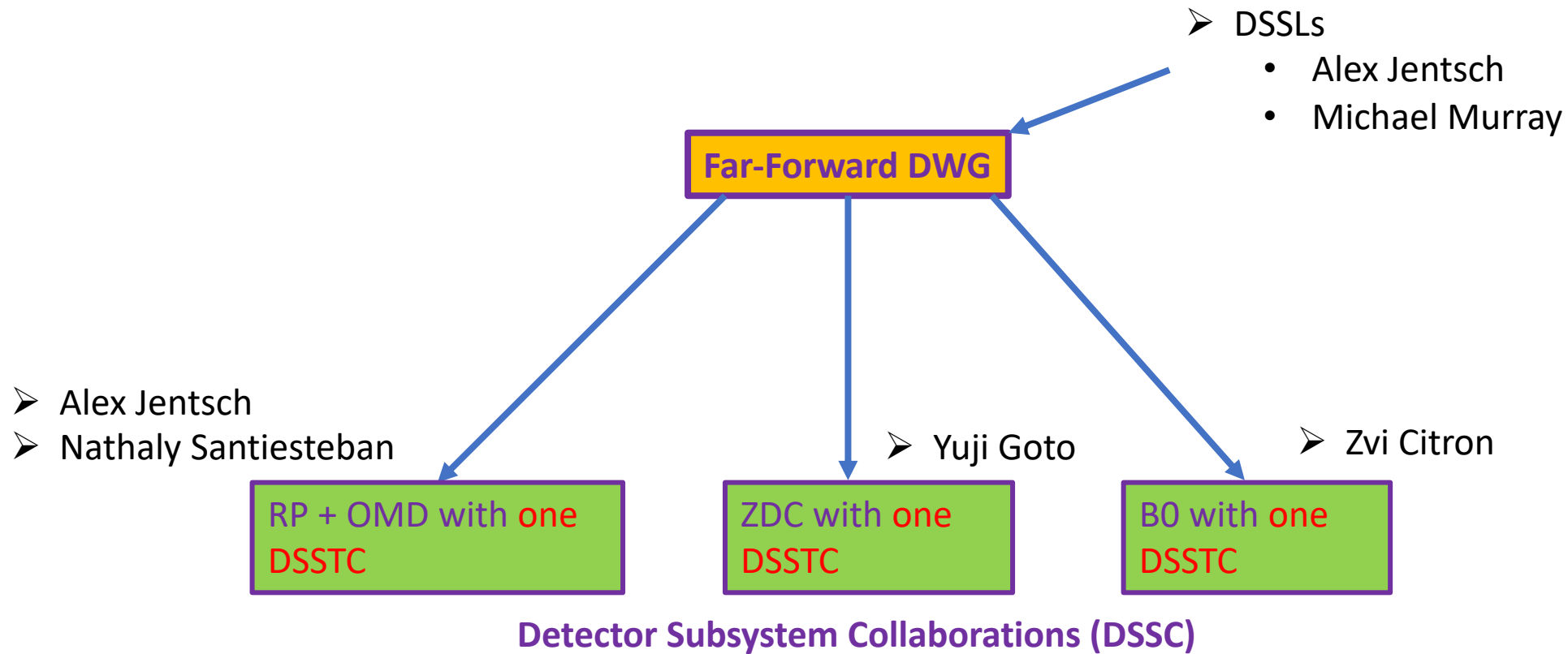
B0 with **one DSSTC**

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).



Nominations for DSSL and DSSTCs



Discussion + Updates

- We received some input on meetings → few people want *more* meetings.
 - **One (good) option**: keep our current meeting time, and rotate updates by subsystem → Allow DSSCs to meet as they need to to discuss technical details, but this can also happen during this timeslot.
 - We could (and should) also revisit our meeting time to see if it still works for most people.
- The nomination process can proceed until the end of the week, but we really need to get our roster of people to the management, who ultimately decides.

