Forming the Backwards RICH Detector Subsystem Collaboration (DSC)
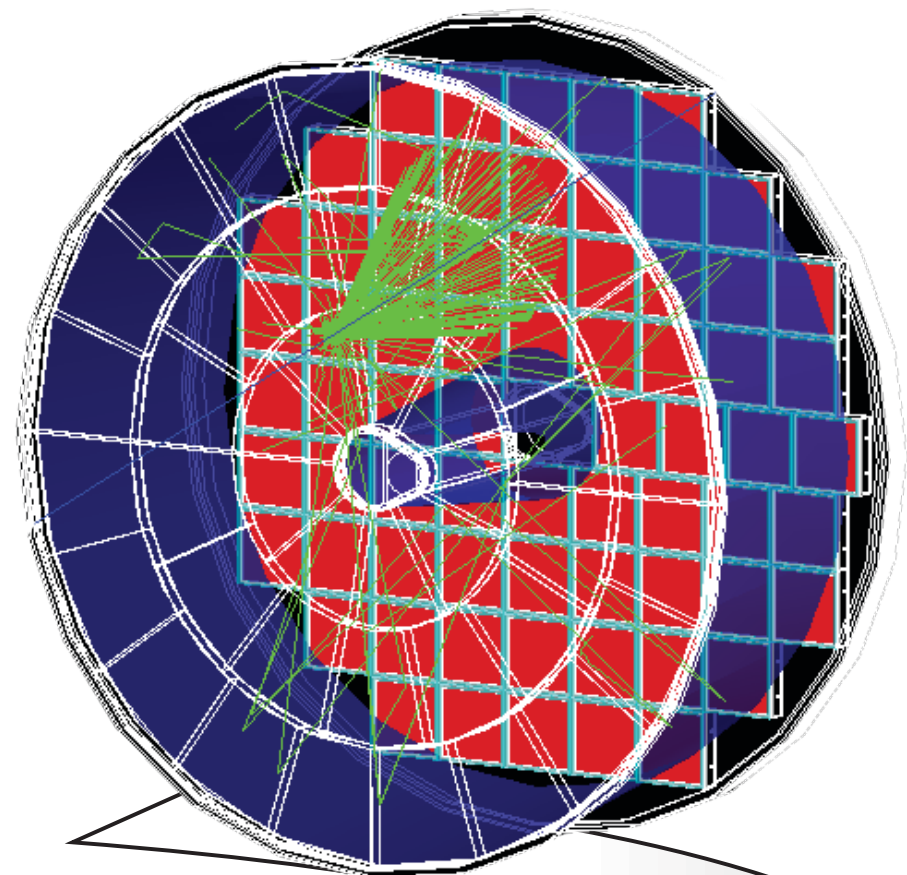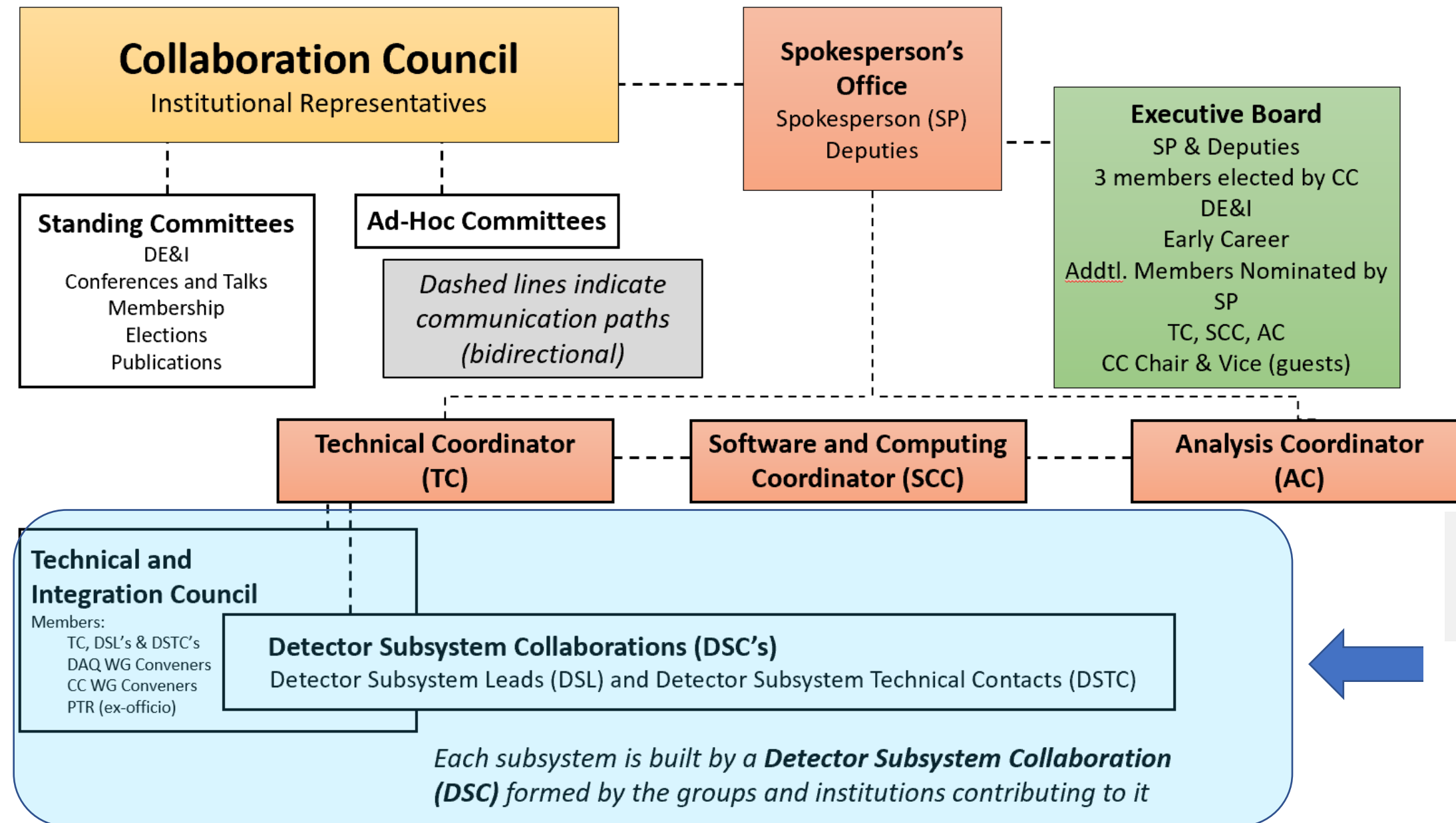
Thoughts to get the ball rolling

Thomas Ullrich

April 19, 2023

pfRICH Meeting

BROOKHAVEN
NATIONAL LABORATORY

DSC What?

Technical and Integration Council and Detector Subsystem Collaborations

Collaboration Council
Institutional Representatives

Spokesperson's Office
Spokesperson (SP)
Deputies

Executive Board
SP & Deputies
3 members elected by CC
DE&I
Early Career
Addtl. Members Nominated by SP
TC, SCC, AC
CC Chair & Vice (guests)

Standing Committees
DE&I
Conferences and Talks
Membership
Elections
Publications

Ad-Hoc Committees

Dashed lines indicate communication paths (bidirectional)

Technical Coordinator (TC)

Software and Computing Coordinator (SCC)

Analysis Coordinator (AC)

Technical and Integration Council
Members:
TC, DSL's & DSTC's
DAQ WG Conveners
CC WG Conveners
PTR (ex-officio)

Detector Subsystem Collaborations (DSC's)
Detector Subsystem Leads (DSL) and Detector Subsystem Technical Contacts (DSTC)

*Each subsystem is built by a **Detector Subsystem Collaboration (DSC)** formed by the groups and institutions contributing to it*

DSCs are the basis of ePIC structure in the detector construction area

WHY DSCs

- Functional to:
  - Finalize the detector sub-systems for the **TDR** (CD2&3)
  - **Prepare the construction period**
    - *Please, note that the present 2-y term coincides with period of preparation of the TDR !*
  - All large-size collaborations have similar structures

- Groups involved in the Detector Sub-Systems:
  - Make their **responsibility explicit**
  - Support their engagement and enthusiasm
  - **Clarify the communication cha**in in matter of Detector Sub-Systems

- Collaboration community:
  - **Support the aggregation** of different groups within the same Detector Sub-System
  - Offer an **opportunity of enlargement of the collaboration** also via the direct efforts of the groups in a Detector Sub-System to encourage partners, who are presently not ePIC members

- Financial Aspects
  - The **explicit links of groups in a Detector Sub-System** to their Detector Sub-System realization supports **actions** (by PM, ePIC management and Detector Sub-Systems members) **for in-kind contributions**

- Project progress:
  - Establish **direct links between the Detector Sub-Systems and the EIC Project CAMs**
  - **DSL and Task responsibles can** integrated in the Project at level 4 and 5

Each DSC has:
1 DSC Leader (DSCL)
1 SSC Technical Contact/Coordinator

[can be the same person]

Who Are We?

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We are also looking forward to GSU and Glasgow joining … they are more than welcome

Clearly Defined Institutions:
BNL, Duke, SBU, Temple, Yale

Less Clearly Defined (currently):
MSU (Sangha -> JLab), JLab

Observers/Advisors:
Chiba, INFN (focus in dRICH), Ljubljana/JSI

How Do We Organize Us?

Questions:

- Do we want a (Mini-)Charter?
  - ▸ Define how we operate and make decisions
- Do we need an IB Board?
  - ▸ to select DSCL and DSCTC
  - ▸ to admit new members
  - ▸ to resolve conflicts
- How are commitments expressed?
  - ▸ Handshake, MOU, or not at all
- Do we want to stay flat or less flat structured?
  - ▸ DSCL and DSCTC
  - ▸ DSCL and DSCTC + Coordinators (Electronic, Software, Performance, …)
- Name?
  - ▸ suggested to drop pfRICH in favor of <?>RICH