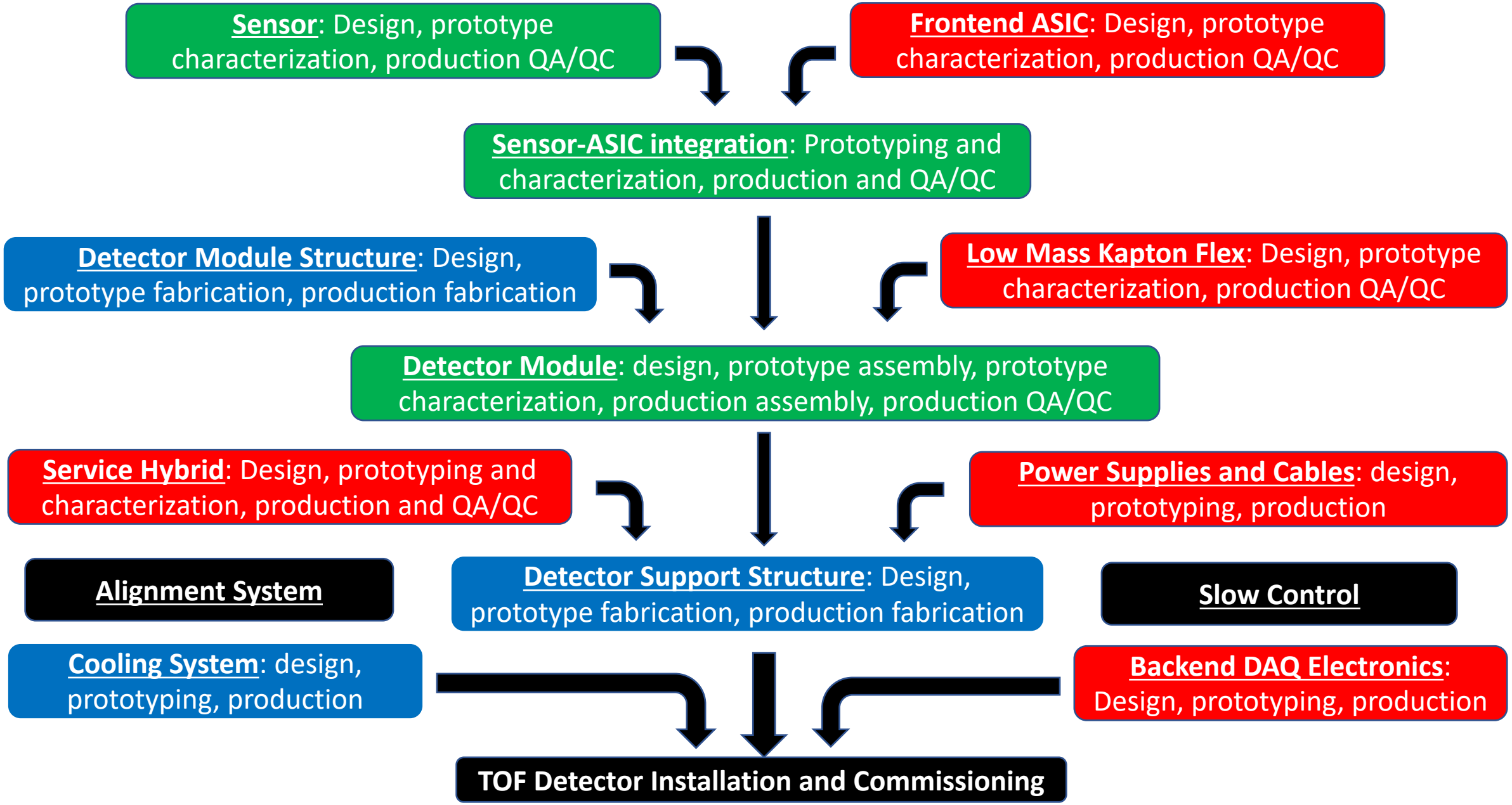
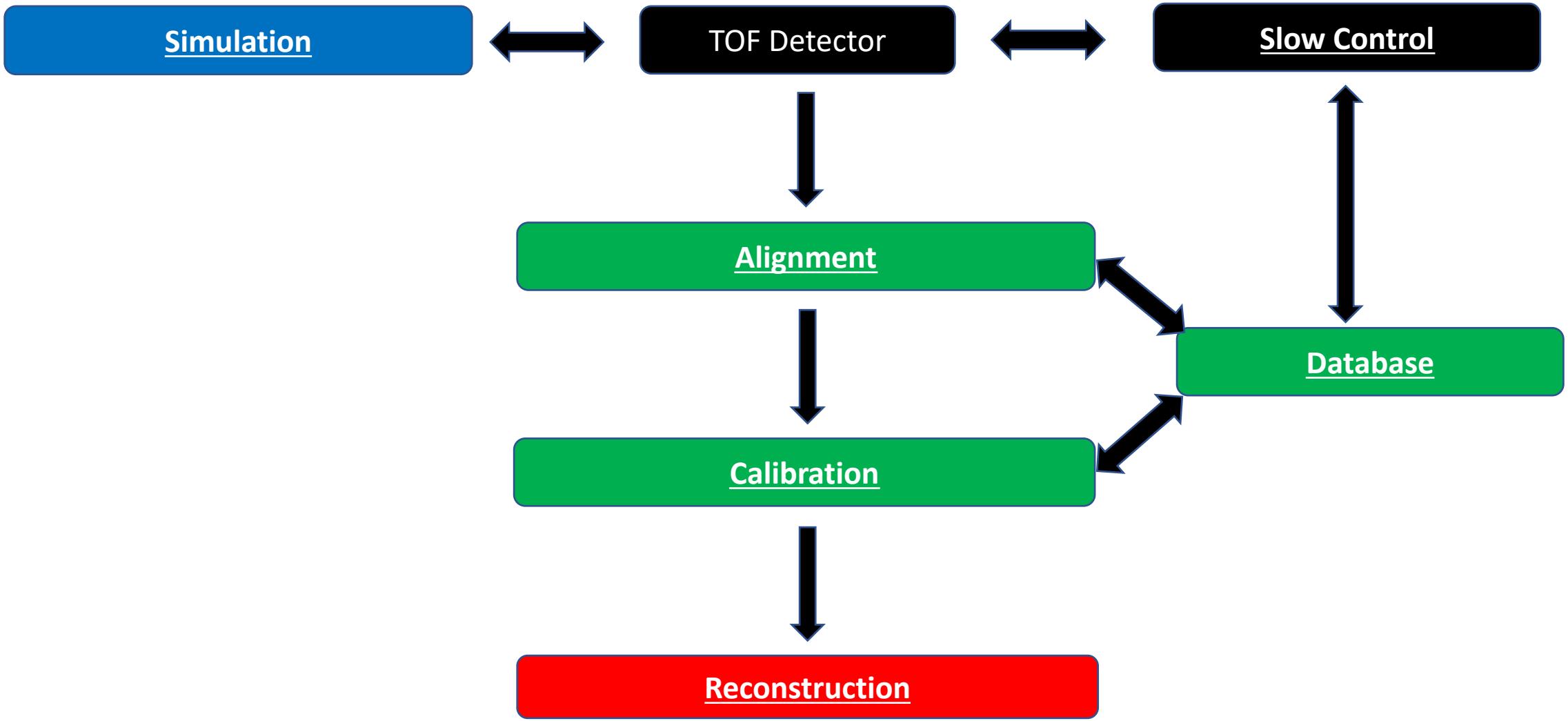
News

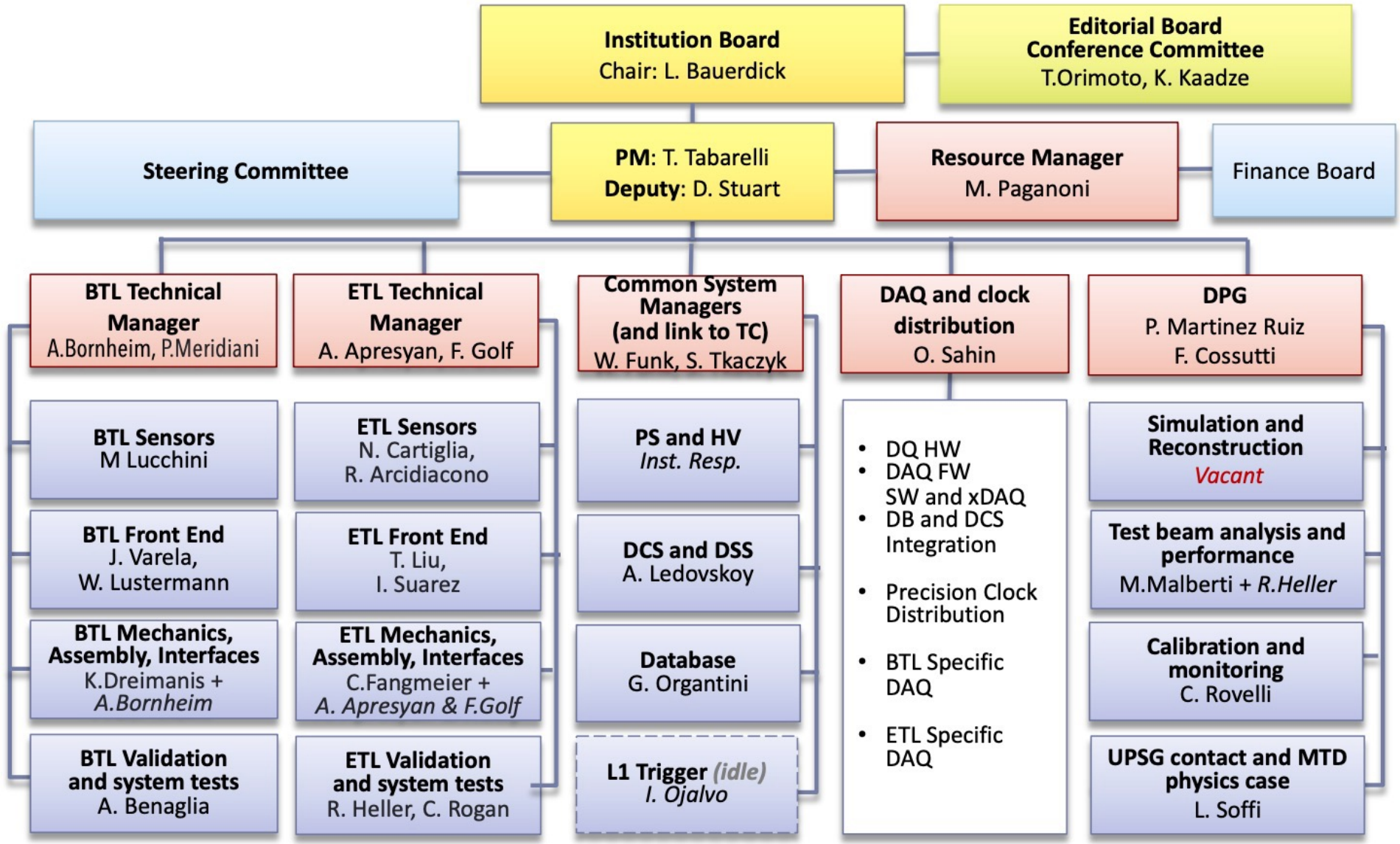
- **Reorganization of ePIC**
  - **Evolve DWGs** to a structure more appropriate to the (pre-)TDR/construction phase: **WGs -> Detector Subsystems**. Each project corresponds to a subdetector built by a **Detector Subsystem Collaboration** of the groups and institutions contributing to it. Each project collaboration will choose its **Detector Subsystem Lead/Detector Subsystem Technical Contact** work in concert with EIC project CAMS. The breakdown in projects to be discussed/optimized with collaboration.
  - **TOF DSC**: agreed to one subsystem for TOF, propose to have one DSL (Zhenyu Ye) and one deputy DSL (Satoshi Yano)
  - **PID Working Group, Tracking Working Group, Electronics, Readout and DAQ Working Group**
  - Latest status may be found at https://indico.bnl.gov/event/18688/
- **EIC Project Review on PID detectors**
  - To assess the current state of all PID detector systems, serve as a status report for the EIC Project Management and DOE.
  - Either around the first two weeks of June or the first week of July
  - EIC Project Technical Review of the calorimeters in 12/2022: https://indico.bnl.gov/event/17721/ (PC: TR2022ECalHCal)
- **EIC User Group Meeting @ Warsaw** https://indico.cern.ch/event/1238718/
  - Early Career Workshop, EIC User Group meeting, ePIC meeting, Detector II/IP8 on July 23-31, 2023
- **Upcoming conferences**
  - Quark Matter 2023 @ Houston in 9/2023: abstract submission by May 1

TOF Detector - Hardware



TOF Detector - Software





Snapshot 2021, July 1st

Internal Structure

- Barrel TOF
  - Sensor: sensor, sensor-ASIC integration
  - Frontend electronics: ASIC, service hybrid
  - Detector Module: module structure, module assembly
- Forward TOF
  - Sensor: sensor, sensor-ASIC integration
  - Frontend electronics: ASIC, service hybrid
  - Detector Module: module structure, module assembly
- Common systems
  - Backend Electronics: power supplies, DAQ system
  - Mechanics: support structure, cooling system
  - Alignment system
- DPG:
  - Simulation and reconstruction, Physics cases, Database, …

EIC Project Technical Review of calorimeters in 12/2022

You are asked to address the following questions:

1. Are the technical performance requirements appropriately defined and complete for this stage of the project?
2. Are the plans for achieving detector performance and construction sufficiently developed and documented for the present phase of the project?
3. Are the current designs and plans for detector and electronics readout likely to achieve the performance requirements with a low risk of cost increases, schedule delays, and technical problems?
4. Are the calorimeter fabrication and assembly plans consistent with the overall project and detector schedule?
5. Are the plans for detector integration in the EIC detector appropriately developed for the present phase of the project?
6. Have ES&H and QA considerations been adequately incorporated into the designs at their present stage?