

DAQ Consortium Management Team Proposal

DAQ Collaboration Board Meeting

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Science and
Technology
Facilities Council

Outlook of the next 4 years

- **Short-term ('24-'25)**
 - ▶ NP04 and NP02 operations at CERN,
 - ▶ Production and Procurement Readiness Reviews,
 - ▶ Critical developments for DUNE,
 - ▶ ND TDR.

- **Longer-term ('26-)**
 - ▶ Preparation and execution of FD installation at SURF,
 - ▶ ND effort consolidation.



DAQ Management Team Proposal

- **Team mandate for 2 years**
 - ▶ Address the short term challenges of '24 and '25
 - ▶ Review and revisit/confirm the team at mid-term
- **Introducing new Run Coordination figure**
 - ▶ Overseeing the team and owning the operational deliverables
 - ▶ Acknowledging the new responsibilities of the EHN1 integration activity coordinator during detector operations
- **Reviewing Resources Coordinator role**
 - ▶ W. Ketchum, the current Resources Coordinator, raised concerns about the role and its interface with collaboration, Management Board and Collaboration Board



DAQ Management Team Proposal

- Far Detector Technical Lead

Roland Sipos

- Near Detector Technical Lead

Asher Kaboth

- Resource Coordinator

Mandate to be reviewed - Wes Ketchum acting Resource Coordinator until resolved

- Run Coordinator

Wes Ketchum (NP04)



Roland Sipos - FD DAQ Technical Lead

- MSc at Eötvös Loránd University, Budapest, Hungary, 2012
- **Computing Engineer Staff at CERN, Switzerland**
 - ▶ 13+ years of experience designing and developing software for various experiments
 - ▶ CMS Conditions Database contributions for CMS and ATLAS
 - ▶ Readout system development and integration for ProtoDUNE Single-Phase
 - ▶ DAQ operations coordinator of NP04 Run 2 in 2019
 - ▶ Coordination, design, and development of DUNE DAQ
 - ◆ Design and development of various subsystems
 - ◆ Co-coordinating the Core Software Working Group
 - ◆ Recently, CERN Principal Investigator



Asher Kaboth - ND DAQ Technical Lead

- A.B. from the University of Chicago (2006)
- PhD at Massachusetts Institute of Technology (2012)
- 20 years experience in neutrino physics, especially in developing detector technology and test stands
 - ▶ Joined T2K in 2012: analysis focus, including Oscillation Analysis Convenor (2014-2018)
 - ▶ Joined DUNE in 2016: near detector focus, including ND-GAr and analysis
 - ▶ Began driving ND DAQ work in 2019 leading to technical decision that DUNE DAQ is suitable for ND
 - ▶ ND DAQ Technical lead since 2021

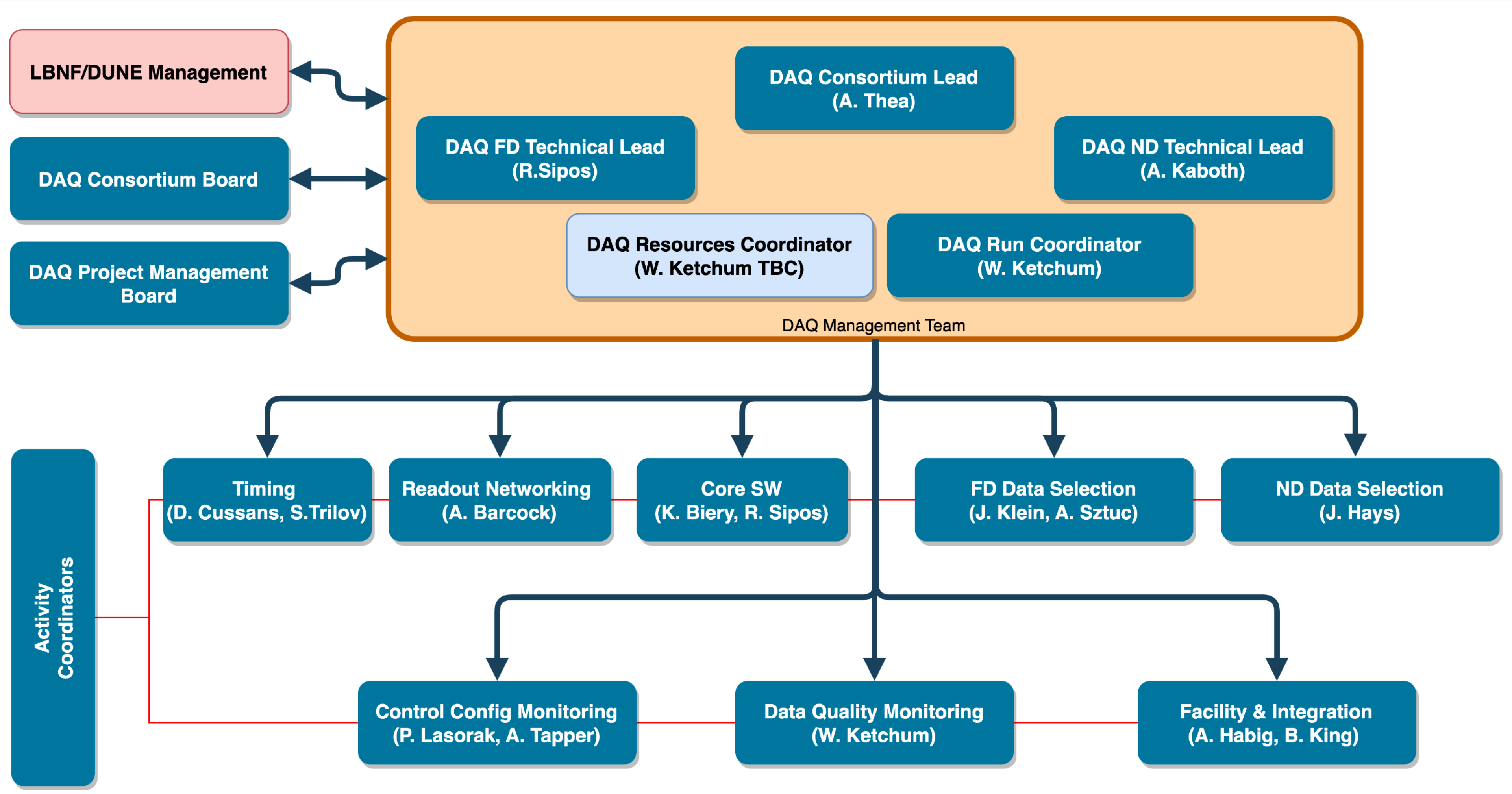


Wesley Ketchum - DAQ Run Coordinator

- **Scientist at Fermilab (2015-present)**
 - ▶ Member of MicroBooNE, ICARUS, SBND, DUNE, and LDMX collaborations
 - ▶ Select previous collaboration roles
 - ◆ MicroBooNE Analysis Tools Co-convener (2015-2017)
 - ◆ MicroBooNE Oscillation Group Co-convener (2017-2019)
 - ◆ SBN Analysis Infrastructure Co-convener (2020-2022)
- **DUNE DAQ**
 - ▶ US Control Account Manager for FD1 and FD2 DAQ since May 2021
 - ▶ Member of DUNE DAQ consortium from beginning
 - ▶ Relocated to CERN Jan 2022; serving as DUNE DAQ EHN1 Activity coordinator
 - ▶ Resources coordinator from Nov 2022
- **DAQ prior experience**
 - ▶ Extensive experience with LArTPC DAQ systems over past decade
 - ◆ MicroBooNE (commissioning co-lead), SBN (common ICARUS+SBND online group co-lead)
 - ▶ General DAQ experience and leadership
 - ◆ “L2” trigger expert for CDF from 2008-2011
 - ◆ Member of artdaq software development team
 - ◆ Co-convener for Trigger and DAQ sub-group for US Snowmass2021 Instrumentation Frontier



Proposed Updated Org Chart



Endorsement

- I would like to seek the Consortium Board endorsement of the proposed DAQ Management Team for the 2024-2026 (2 years) period.

