

# Future Reviews

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# Date of the next reviews

- DUNE Internal Reviews
  - These are preliminary design reviews (60%) mandated by the [DUNE Far Detector Review Plan](#)
    - 11-12 February 2019 (at BNL): mechanical aspects ([agenda](#) and [report](#) available in Indico)
    - 5-7 February 2020 (at CERN): ASICs and FEMBs
    - 11-12 March 2020 (at BNL): system review, WIB, .....
- Reviews related to the DOE CD approval process
  - These are the reviews we have to go through to get funding for the construction of the detector
    - Director's review: 28 April – 1 May 2020
    - Independent Project Review – late July
    - CD-2 IPR – late October

# ASICs and FEMBs review (i)

- At CERN, in the [Kjell Johnsen Auditorium](#)
- The [Indico page](#) contains the charge letter ([DocDB-17235](#)), the list of reviewers and will have a preliminary agenda posted soon
- Reviewers: Philippe Farthouat (Chair), Paul Rubinov, Peter Lichard, Paulo Moreira, Jan Kaplon, Tim Andeen, Gary Drake, Alessandro Marchioro, Michael Campbell, Mitch Newcomer plus Jaro Ban, Marek Idzik, Tomasz Hamperek (remotely)
- Agenda:
  - Wednesday 5 February: Introduction, CRYO (Morning), ColdADC and COLDATA (afternoon)
  - Thursday 6 February: LArASIC (morning), FEMBs (afternoon), Q&A
  - Friday 7 February: Q&A (if necessary), report writing, closeout

# ASICs and FEMBs review (ii)

- Groups involved in the ASIC and FEMB design have received requests for documentation / slides
  - Dave/Marco will do an internal review of documentation in the week of January 20/24, post it in EDMS/Indico on January 24 (draft of documentation to be made available by January 17)
  - Internal review of slides during the collaboration meeting, slides posted for the committee on January 28 (draft available by January 24)
- Expect ~20 participants from DUNE
- Participants at CERN should register (via Indico):
- Remote participation in the review possible via Vidyo

# System review (i)

- At BNL, March 11 and 12
- Logistic details not yet discussed, will try to set everything up before the end of January (important for non-US participants who do not yet have access at BNL)
- The [Indico page](#) contains the charge letter ([DocDB-17508](#))
- We do not have an agenda for the review (yet), nor a review committee
  - Steve, Philippe, and I are working on this
  - Expect to have list of presentations / required documentation finalized before the end of next week

# CD related reviews (i)

- Director's review at Fermilab on April 28-May 1
  - Convince the review committee that there has been significant progress since October IPR and that the cost estimates for LBNF/DUNE have reached the level of maturity required to establish the baseline cost
  - The goal of the Fermilab director is to use the DOE IPR scheduled for July as the CD-2 review and get the go-ahead for the project
  - A separate CD-3 review will then be held in 2021 to give the green light for the detector construction
- Goal of the TPC Electronics consortium
  - Arrive at the director's review with updated cost estimates, plan for the completion of R&D and detector construction, integration, and installation
  - Positive feedback from the internal February and March reviews

# CD related reviews (ii)

- For past DOE reviews we were allocated a single slot of 45' in DUNE detector parallel session
  - This single presentation was supposed to cover everything (detector description, technical progress, cost and schedule information)
  - Review committees complained about trying to convey too much information in too little time
- This time there could be (in addition) a dedicated parallel session for the TPC electronics (this is much like what is done for the ATLAS and CMS HL-LHC upgrade reviews)
  - This is not yet cast in stone
  - I may require a few people to be available at Fermilab on April 29 (possibly 30) to participate in this review

# Collaboration Meeting

- Two parallel sessions:
  - Tuesday 28, 2:00-3:30pm
  - Wednesday 29, 2:00-3:30pm
  - Please contact Dave and me if you wish to give a presentation (we will be asking for presentations !!!)
- There should also be a joint meeting with DAQ consortium to understand the communications between the DAQ (CCM) and the WIBs