

[1] In the Overview (pages 15, 17) the Near Detector is mentioned separately from the full DUNE. Hopefully the computing-related aspects of ND are treated in the CDR as part of the whole DUNE experiment.

[2] The subsections of Data Formats are very brief. We would have expected to see more here beyond the introduction and the future.

[3] Where is the analysis model described? The use case is presented in Chapter 2 but there is no mention of an analysis model section in the Computing Model Chapter 7

[4] There is no mention of detector description and the way the geometry is built from the detector description database

[5] There is no section on visualization

[6] Chapter 15 seems incomplete as it mentions only code management for LAr TPC and ND

[7] We would like to see in the CDR something about the efficient use of different kinds of computing resources that might become available (for instance HPC, parallel computing, GPUs, cloud, etc. ). It may be included in the computing services requirements section, but it deserves enough specific attention.

[8] the software framework is treated in a dedicated session, but the algorithmic part does not seem to be. While it might not be in the scope of the computing consortium, it has a strong impact on the computing needs.

[9] We see a section about data preservation. We would have expected something also on analysis preservation, open data and data availability to the community. Maybe it is included in the Data preservation chapter, but we think it deserves specific attention

[10] Are the aspects of multi-messenger astronomy and observations treated anywhere in the CDR? They will have implications on the computing model, the tools, the services.

[11] 2.2 Simulation chain : Make subsections for (a) Light collection, (b/c) horizontal/vertical drift readouts. While we are not sure what the context will be exactly we expect to see options for (a) detailed and possibility of (b) fast simulation

[12] Will the document contain a section for Data storage and access, like the LHC T0, T1, T2, concept? Particularly, where to keep raw data, processed data, skimmed/reduced sample and user accessibility?

[13] Since this is the product of the Consortium, the question is where do we look for the description of the Governance of that Consortium and its relationship to the overall DUNE organization. Perhaps it is not appropriate to have that in this document, but somewhere there should be a clear reference to it.

[14] We note the Section 19 on Cooperation Strategy. We would like to think that this would describe the relationships to the various sources of corporate computing support, such as FNAL and CERN, and the various international computing bodies (WLCG, HEP Software Foundation etc). Such a discussion should appear somewhere.

[15] This document should have the potential to be used as a recruiting tool. To that end, it might be useful for the Consortium to consider a special section which calls out areas where innovative approaches have been adopted or where innovative approaches could be envisaged.

[16] It is good to see that this is not a single author document, however, we are still concerned that some people who should have oversight roles dominate the primary author positions. Helping to produce such a document is valuable education.