

protoDUNE publication strategy

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(proto)DUNE publication procedure

- According to DUNE-doc-1115 there are 3 stages to publish results
 - WG review
 - ARC review
 - Collaboration review
 - One question is that this procedure might be repeated for TN(s) leading to papers
 - One review for the TN(s) and then another review for the paper?
- DRA directly reports to protoDUNE spokes and DUNE analysis coordinators
- Publication strategy should also respect CERN policies as host organisation
- Reminder: Personal work can be presented in conferences, seminars, etc. as long as it is approved by the relevant WG
 - If data is shown then the approval of a technical or analysis coordinator is required as well
 - Results should be shown to at least one DRA meeting

Internal DRA review of TNs

- DRA identifies the main topics of physics studies and data analysis, coordinates the analysis tasks and monitors the progresses
- DRA is responsible to internally review all TNs relevant to protoDUNE calibration, reconstruction and analysis
- It is strongly recommended that a complete work is described in detailed in TN(s) and ask for the conveners to set up an internal review committee
- 2 or 3 reviewers for a TN which will be overviewed by at least one DRA convener

Early protoDUNE publications

- One paper under preparation
 - Pandora reconstruction performance with protoDUNE data
- One paper in the very early stages
 - First performance of a large scale LAr detector
 - Discussed during the last CM and it is strongly supported by the DUNE spokespersons
- Note: The BI group is also preparing a paper
 - Nearly completion, not protoDUNE related

Preparation for early protoDUNE publications

- As calibration, reconstruction and analysis efforts are currently ongoing there are no TNs
- For the Pandora paper it is straightforward as the TN(s) will eventually become the paper
- For the short detector performance paper is more complicated
 - Content of the paper
 - No physics results, demonstrate that protoDUNE has been working stably from day 1 and that it has achieved its goals, highlight possible challenges, brief description of the detector
 - Work from many analysers (and we do expect that a lot of people will contribute to this paper) which in many occasions has not been finalised
- Other requirements for both papers
 - Authorlist, official plot style...
- In addition to this paper we would like to provide a first set of approved protoDUNE plots for conferences

Preliminary list of protoDUNE official plots

- The DRA conveners have prepared a preliminary list of protoDUNE official plots – see the attachment from this meeting
 - The list of official plots is not yet finalised and it will probably change until we put everything together for the paper
- Since there are no TNs the authors provided a few paragraphs to describe each plot
 - The idea is that eventually all the plots collected will be form a proper TN which will come as a supporting document for the short detector operation paper
- Many plots need to be updated or moved to a separate TN (for example the Pandora efficiency plots)
- We are open to suggestions and recommendations for additional plots