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Subject: Charge for a DUNE Software Framework Requirements Task Force

Dr. Andrew Norman  
Scientific Computing Division  
Fermi National Accelerator Laboratory

Dr. Paul Laycock  
Brookhaven National Laboratory

Dear Andrew and Paul,

We would like to ask you to form and lead a DUNE Software Framework Requirements task force. This task force would gather information from stakeholders in the DUNE computing, algorithms, and analysis groups, and propose requirements for DUNE Framework(s) that meet the needs of the DUNE collaboration for signal processing, pattern recognition and large scale data analysis. These requirements should address both the short term needs of the protoDUNE single and dual phase prototypes and anticipate the long term needs of the DUNE near and far detectors. These requirements should be informed by our previous experience with Art/LArSoft frameworks but incorporate ideas of the HSF where applicable.

We will work with you in staffing this task force which should include existing expertise but may form an excellent way of recruiting new people to the project. We would like to have the composition finalized by Nov. 21. We would then request a preliminary report by March 15, 2020 to allow review and discussion of a final version on April 15, 2020.

Thank you,

Heidi Schellman, Head, DUNE Computing Consortium

Andrew McNab, International Technical Lead, DUNE Computing Consortium

Michael Kirby, Host Laboratory Technical Lead, DUNE Computing Consortium