

Tentative Timeline and Closing Thoughts

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ND Prototypes Analysis Workshop

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UCIRVINE



Caltech



Introduction to this talk

- We had a very productive workshop!
- Have a lot of work ahead of us
- Before we go our separate ways, we wanted to lay down a tentative timeline with some key milestones for the next 2 months
 - This is up for discussion. We very much welcome your feedback, particularly if you think this is too optimistic/pessimistic.
 - Note that the milestones included does not capture the full list of tasks to be done
 - All of the milestone dates coincide with ND Prototypes Analysis meeting dates. The idea is that a short talk would be given covering each.
- Disclaimer: these slides were put together very quickly

Simulation + Calibration

Milestone	Tentative deadline
MiniRun3 reflowed with truth matching for merged hits for use by Pandora and ML reco	May 31
New geometry and beam optimization integration	June 15
MiniRun3 re-flowed with: <ul style="list-style-type: none">- Light information- Variable names, IDs, units, coordinate conventions...etc.- Automated replication (Sam/metadata)	June 15
Start producing MiniRun4	June 15



MINERvA

Milestone	Tentative deadline
Report progress on calibration and on running simulation + reconstruction at NERSC	June 29
DAQ problem	?



Reconstructions

Milestone	Tentative deadline
<p>Process of all of MiniRun3 and provide efficiencies, purities, and other performance metrics.</p> <p>Expectation:</p> <ul style="list-style-type: none">- ML reco retrained with bigger samples- Pandora with improved track matching in 3D	<p>June 29</p>



CAFs

Milestone	Tentative deadline
Changes to StandardRecord committed	June 15
Changes to CAF maker done with small test samples produced by each group (Pandora, ML reco, MINERvA)	July 13
MiniRun3 (or MiniRun4) processed and output saved in CAF files <ul style="list-style-type: none">- Expect at least output using charge information. The question is still open concerning the light information	July 27 (July 13 feasible?)



Other key milestones

- There are also a number of key projects that people can start working on since now

Milestone	Comments
Beam Systematics	Produce samples outlined in Tony's talk, help analyzing them
Develop expertise with NuSyst	Can be done since now even while waiting for CAFs
First pass at a few critical detector systematics	Track matching, alignment, control sample, ... etc.

- The timeline is not as clear for these, but we would love to see somebody working on them **asap**

Concluding Remarks

- We'd like to thank everyone for coming!
- A special thank you to all our volunteers who helped with Fermilab access, dinner, and coffee breaks:
 - Alex Diaz, Sindhu Kumaran, Anne Norrick, Roberto Mandujano, David Rivera, Kathryn Sutton, Michele Weber
- Looking forward to seeing you at the next workshop!
 - Not yet decided, to be announced in the next few weeks

