Welcome to the Summer 2023 SBN Analysis Workshop!

Steven Gardiner, Daniele Gibin, Georgia Karagiorgi, Joseph Zennamo July 25, 2023

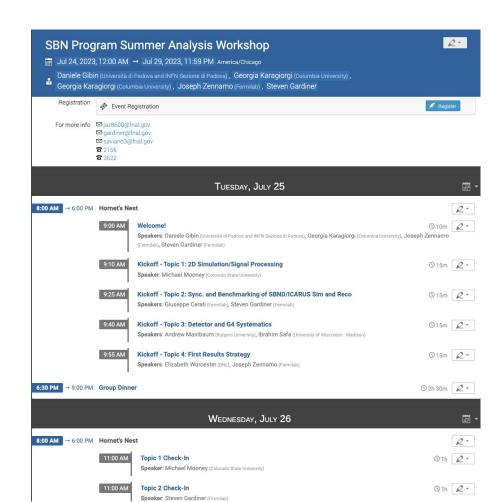
Thank you for joining!

Off to a great start! 65 participants registered as of yesterday!

A huge thank you to all for being here, and to all the workshop topic leads!

A huge thank you also to the SBND and ICARUS production teams!

And a huge thanks to Joseph for the donuts!



Logistics: Schedule

Slight change in schedule times, please be sure to check the indico page!

Today: Kickoff at **9am until 10:10am**

Tomorrow: Check-in at 11am-12noon

Thursday: Check-in at 11:30am-12:30pm

Friday: Closeout at 11:40am-1:20pm

The rest of the time is all hands-on time!

https://indico.fnal.gov/event/59757/

Logistics: Topics and Leads/Contacts

Four broad topics:

- Getting 2D drift simulation and deconvolution integrated in both SBND and ICARUS and calibrated
 Leads: Mike Mooney, Hanyu Wei
- 2. Understanding where **SBND** and **ICARUS** simulation/reconstruction diverge, re-benchmarking reconstruction performance, and working on fixes/convergence

Leads: Steven Gardiner, Giuseppe Cerati

3. Developing methods to assess **full systematics envelope**, with a primary focus on detector and Geant4 systematics

Leads: Ibrahim Safa, Andy Mastbaum

4. Informing our **2024 SBN results strategy**, e.g. POT needed, exclusive or multi-channel search, etc.

Leads: Joseph Zennamo, Elizabeth Worcester

Logistics: Samples, useful tips and resources

 Despite some (ongoing) issues, samples are pouring in as we speak, thanks hugely to the production teams!

See what samples are available for **SBND** here:

https://docs.google.com/presentation/d/1hT-ruXoXVv_8BhFAVKN1DWjQz_MzC52diDMK4hzaAzM/edit?usp=sharing

And for ICARUS here:

https://docs.google.com/presentation/d/1ygXAC1hRG0UULkjETDBW_mBJPVWt0dhmIhNHA lOqKZA/edit?usp=sharing

 A recent tutorial (including references to other ones) about CAFfile usage, from Bruce: <a href="https://sbn-docdb.fnal.gov/cgi-bin/sso/RetrieveFile?docid=31355&filename=CAFAna_Tutorial.gov/cgi-bin/sso/RetrieveFile?docid=31355&filename=CAFAna_Tutorial.gov/cgi-bin/sso/RetrieveFile?docid=31355&filename=CAFAna_Tutorial.gov/cgi-bin/sso/RetrieveFile?docid=31355&filename=CAFAna_Tutorial.gov/cgi-bin/sso/RetrieveFile?docid=31355&filename=CAFAna_Tutorial.gov/cgi-bin/sso/RetrieveFile?docid=31355&filename=CAFAna_Tutorial.gov/cgi-bin/sso/RetrieveFile?docid=31355&filename=CAFAna_Tutorial.gov/cgi-bin/sso/RetrieveFile?docid=31355&filename=CAFAna_Tutorial.gov/cgi-bin/sso/RetrieveFile?docid=31355&filename=CAFAna_Tutorial.gov/cgi-bin/sso/RetrieveFile?docid=31355&filename=CAFAna_Tutorial.gov/cgi-bin/sso/RetrieveFile?docid=31355&filename=CAFAna_Tutorial.gov/cgi-bin/sso/RetrieveFile?docid=31355&filename=CAFAna_Tutorial.gov/cgi-bin/sso/RetrieveFile?docid=31355&filename=CAFAna_Tutorial.gov/cgi-bin/sso/RetrieveFile?docid=31355&filename=CAFAna_Tutorial.gov/cgi-bin/sso/RetrieveFile?docid=31355&filename=CAFAna_Tutorial.gov/cgi-bin/sso/RetrieveFile?docid=31355&filename=CAFAna_Tutorial.gov/cgi-bin/sso/RetrieveFile?docid=31355&filename=CAFAna_Tutorial.gov/cgi-bin/sso/RetrieveFile?docid=31355&filename=CAFAna_Tutorial.gov/cgi-bin/sso/RetrieveFile?docid=31355&filename=CAFAna_Tutorial.gov/cgi-bin/sso/RetrieveFile?docid=31355&filename=CAFAna_Tutorial.gov/cgi-bin/sso/RetrieveFile?docid=31355&filename=CAFAna_Tutorial.gov/cgi-bin/sso/RetrieveFile?docid=31355&filename=CAFAna_Tutorial.gov/cgi-bin/sso/RetrieveFile?docid=31355&filename=CAFAna_Tutorial.gov/cgi-bin/sso/RetrieveFile?docid=31355&filename=CAFAna_Tutorial.gov/cgi-bin/sso/RetrieveFile?docid=31355&filename=CAFAna_Tutorial.gov/cgi-bin/sso/RetrieveFile?docid=31355&filename=CAFAna_Tutorial.gov/cgi-bin/sso/RetrieveFile?docid=31355&filename=CAFAna_Tutorial.gov/cgi-bin/sso/RetrieveFile?docid=31355&filename=CAFAna_Tutorial.gov/cgi-bin/sso/RetrieveFile?docid=31355&filename=CAFAna

Logistics: Fun!

We are organizing a **group dinner** for this evening (~6:30pm), most likely at the Two Brothers Roundhouse.

Please sign up by 2pm today if you'd like to join:

https://forms.gle/KtiJtQ4Goz3iaM6e7

Justin Mueller and Jacob Zettlemeyer are also organizing a Bowling outing on Thursday evening. More details/a poll will follow soon!