
Workshop Overview and Goals

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Virtual Meetings

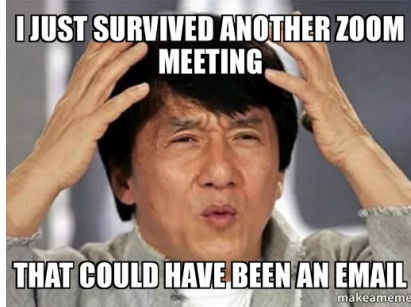
Blueprint Workshop

May 5-6, 2021



The Current Situation

- The COVID-19 pandemic has by-and-large prevented in-person meetings since March 2020 → “Virtual” Meetings
- We are all Zoom-fatigued!



- While the increasing deployment of effective vaccines around the world is a very positive development, the timeline and pathway to “normality” is uncertain and the “new normal” we will settle into is anyone’s guess at this point

Virtual Meeting on Virtual Meetings?

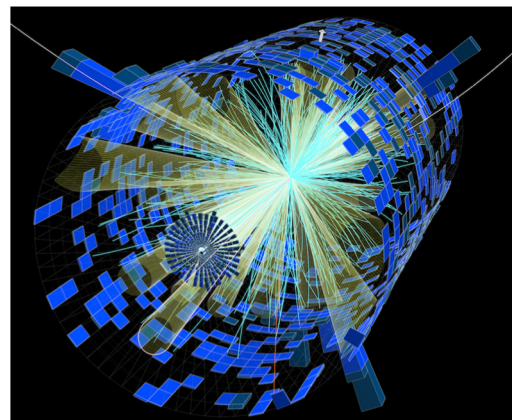


- Scientific fields, like particle physics, have a year of experience in holding virtual meetings, workshops and conferences
- A lot of experimentation and innovation has happened to explore how to execute these meetings effectively. As such, this seems like an appropriate time to take stock of what we've learned and discuss possible strategies for the future
- Continuing to develop effective strategies for virtual and hybrid virtual/in-person meetings will be important for making the most of our limited time (and funding), work/life balance, reducing the carbon footprint of our research activities, etc ..., while enabling greater diversity and inclusion for participation

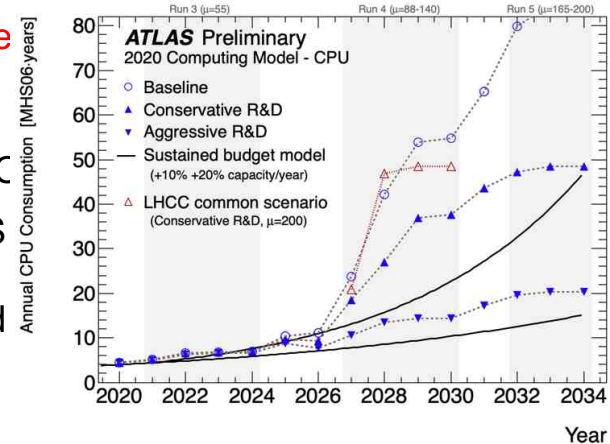
Institute for Research and Innovation in Software for High Energy Physics (IRIS-HEP)



Computational and Data Science Challenges of the High Luminosity Large Hadron Collider (HL-LHC) and other HEP experiments in the 2020s



- The HL-LHC will produce **exabytes of science data** per year, with **increased complexity** — 200 overlapping proton-proton collisions on average per event — as compared to the LHC
- During the HL-LHC era, the ATLAS and CMS experiments will record **~10 times as much data** from **~100 times as many collisions** (and at twice the pp collision energy) as was used to discover the Higgs boson.



IRIS-HEP resulted from a 2-year community-wide effort involving 18 workshops and 8 position papers, most notably a [Community White Paper](#) and [Strategic Plan](#). IRIS-HEP started in Sept 2018.

Blueprint Activity and Process

- This workshop is part of the Blueprint process within IRIS-HEP
- The ***Blueprint activity*** is used to
 - inform development and evolution of the IRIS-HEP ***strategic vision***
 - build (or strengthen) ***partnerships among communities*** driven by innovation in software and computing
- A series of workshops that bring together IRIS-HEP team members, key stakeholders and domain experts from disciplines of importance to the Institute's mission
 - *Topical presentations and discussion sessions*
- Discussions are captured and inform **key outcomes** which are summarized in a **short report** made publicly available

Recent Blueprint Workshops

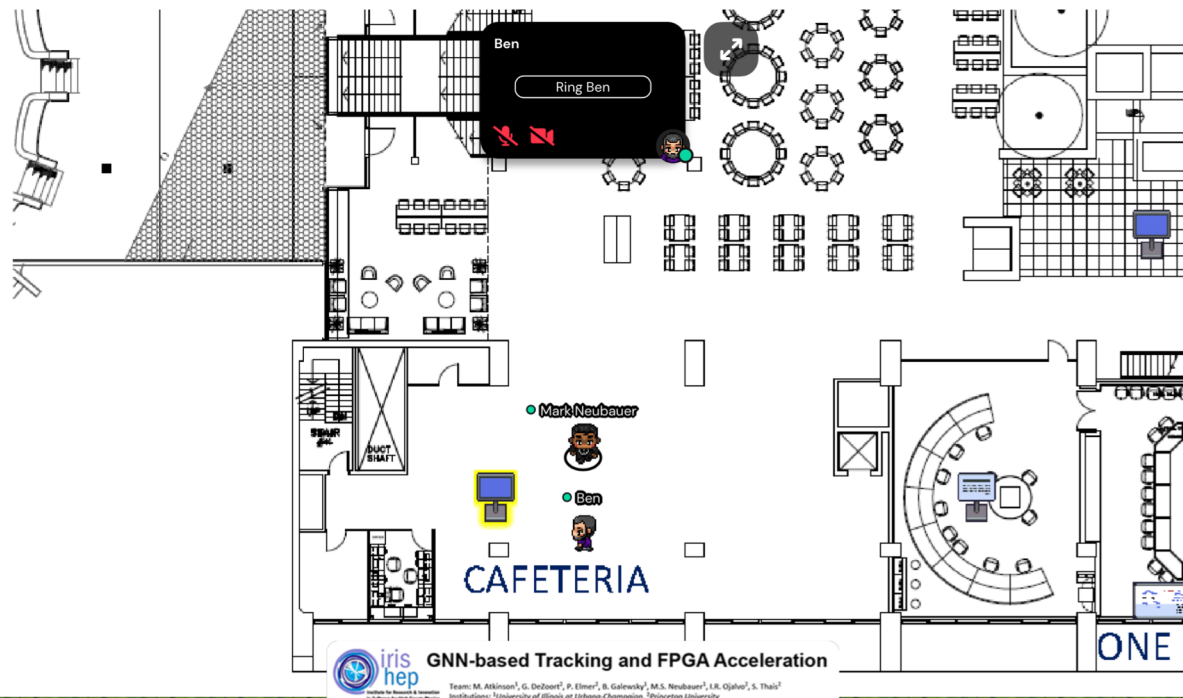
- Analysis Systems R&D on Scalable Platforms
- Fast Machine Learning & Inference
- A Coordinated Ecosystem for HL-LHC Computing R&D
- Software Training
- Sustainable Software in HEP
- Future Analysis Systems and Facilities
- Portable Inference
- Virtual Meetings ← now!

This Workshop



- The goal of this workshop is to bring together people to share their experiences with attending and organizing virtual workshops, tools and techniques, and thoughts for the future.
- Day 1: ([Zoom](#)) Experiences with virtual workshops.
- Day 2: ([Gather](#)) Community input, tools & techniques, discussions about future strategies for virtual meetings and hybrid virtual/in-person meetings, and a collective summary of key findings which will go into a brief workshop report.
 - The report will outline practices and tools that have worked (or haven't, but seem like they should have) which we hope will serve as a valuable resource for future virtual meeting organizers in all scientific fields.

Gathering in Wilson Hall (Day 2)



Thanks for attending
and lets have a great
workshop!