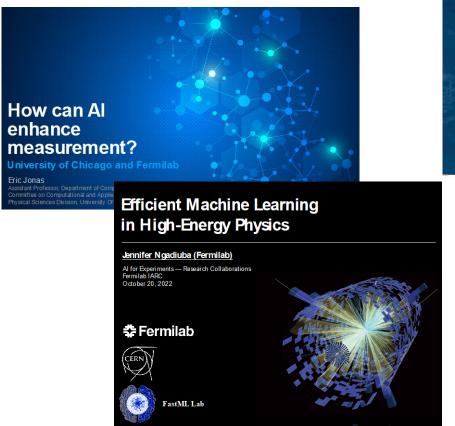




Closing

James Amundson
Al for Experiments – Research Collaboration (JTFI Workshop, Part II)
October 20, 2022

A great start





Quantifying predictive uncertainty with conformal inference

Rina Foygel Barber

http://rinafb.github.io/

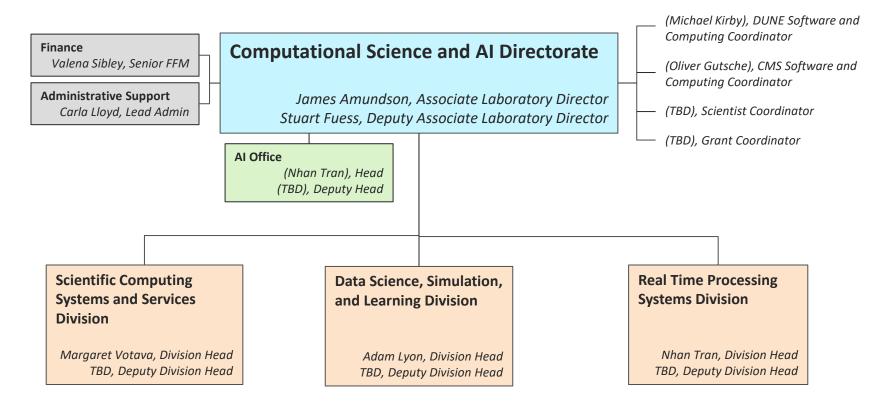


What I saw this afternoon

- Actual conversations
 - Computer Scientists
 - Statisticians
 - HEP Scientists
 - Non-HEP Scientists
- Progress in understand problems and opportunities



New organization for scientific computing at Fermilab





Vision for the Computational Science and Al Directorate

Provide *leadership* in HEP computing

Focus on creating solutions as opposed to fixing problems
Relieve the experiments of their need to constantly reinvent wheels

Engage the broader scientific computing community

Locally

Argonne, U Chicago

Nationally

DOE Office of Advanced Scientific Computing Research (ASCR), other labs, universities

Embrace Al

Prepare for upcoming AI Center funding opportunity announcement (FOA)

Prepare our facility for the next generation of experiments

"Facility modernization"



In summary

I see the potential for many future collaborations

Funding is coming (!)

Many potential synergies here

We at Fermilab want to provide the resources to get started

We have HEP physicists

We have data

We have computers

We need computer scientists, statisticians, etc.

We need students

We need....

Let's continue the conversation!

