



## What is IAIFI?

- IAIFI is a collaboration of **physics and AI researchers** at MIT, Harvard, Northeastern, and Tufts working towards **advancing knowledge of fundamental interactions** from the smallest to the largest scales using innovative methods in AI while simultaneously **advancing the foundations of AI**
- MIT makes up ~50% of IAIFI members

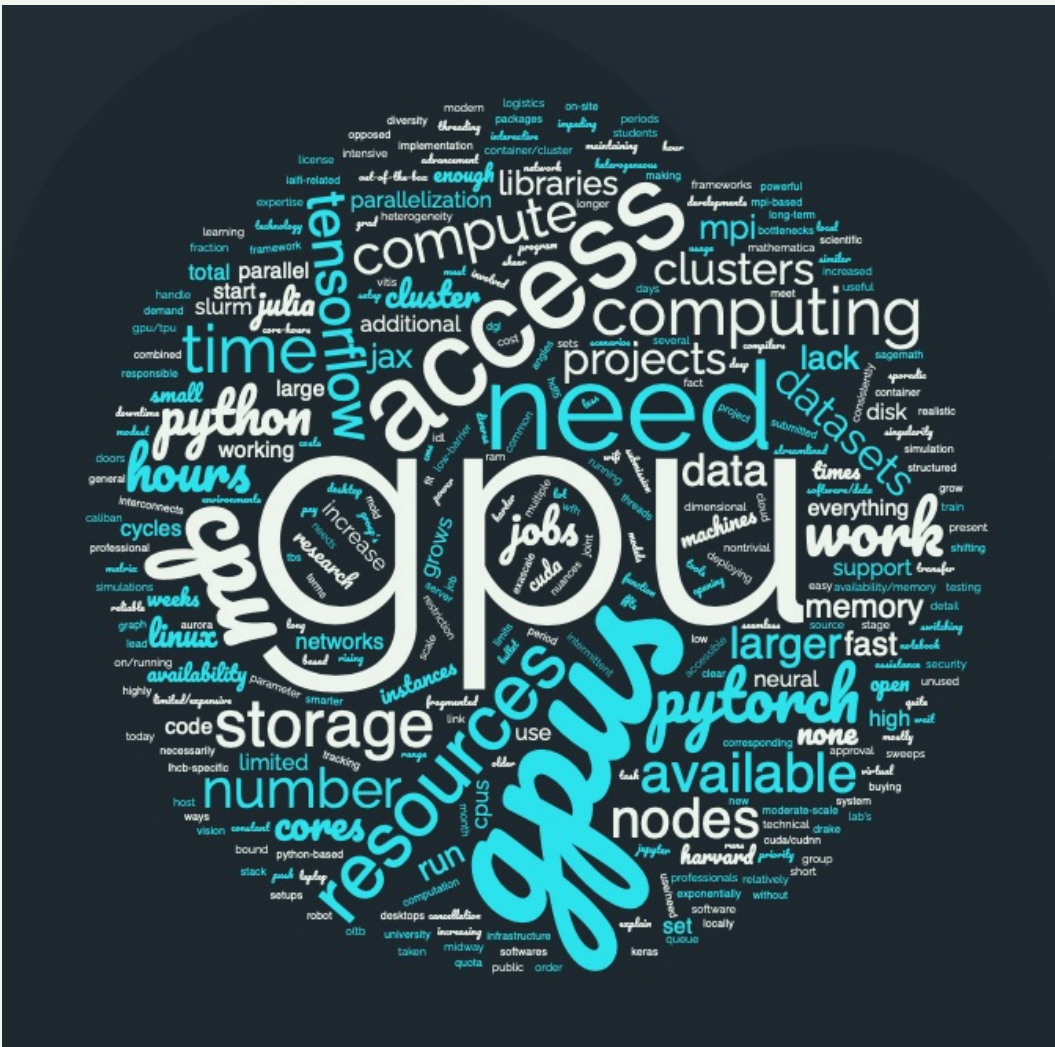
## Current and anticipated computing resources

- IAIFI members have access to compute through the Harvard Cannon cluster
- Dedicated IAIFI resources in the form of GPU nodes anticipated to come online soon
- Members sometimes also have access to additional computing resources through their institutions/labs

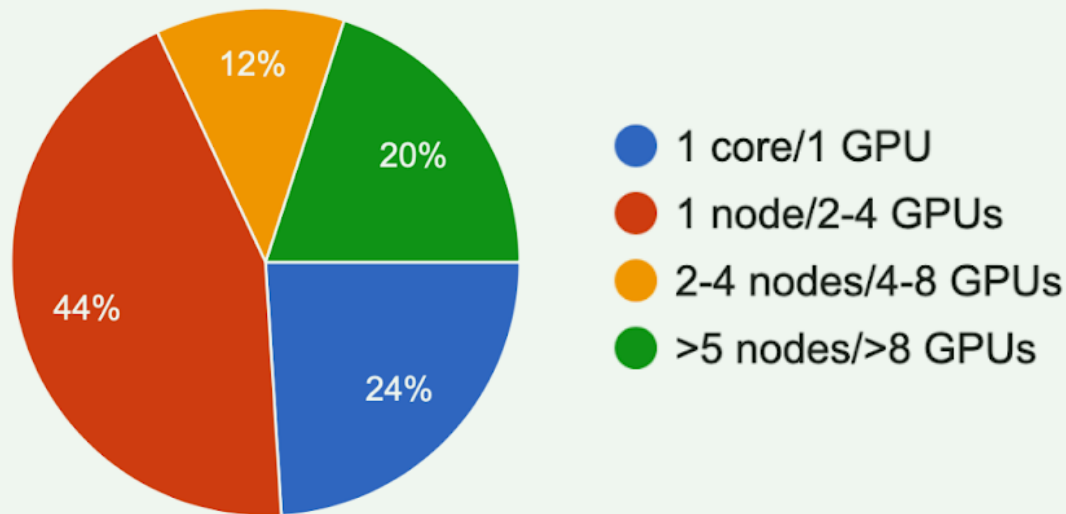
## Computing needs

- Computing needs (job allocation/storage requirements...) are diverse and vary by lab and individual user
- Potential use case of subMIT for MIT Physics  $\cap$  IAIFI: prototyping with interactive GPUs / as supplement to primary resources through Harvard Cannon
- Selection of IAIFI-wide survey results:

IAIFI computing needs and barriers:  
Word cloud of survey responses



“What is the size of your typical job allocation?”



“How much storage would you need for working/sandbox space?”

