

# *Opening Remarks from the Steering Committee*

BCS Review  
Christoph Paus  
MIT, June 21, 2024



# Goals for today

## Review the Basic Computing Services (BCS)

- Provide a description of the BCS and its implementation
- Summarize accomplishments and plans
- *No focus on specific physics results\**

## Evaluate the context BCS lives in

- MIT IS&T provide fundamental infrastructure
- ORCD office: addresses global MIT wide research computing
- MKI and LNS have separate computing support

## Provide summary information

- Deepto needs material to make a case for the BCS during the review of the visiting committee
- Summary of the review needs to provide that documentation

\* Physics research results will be added for the visiting committee

# Basic Computing Support

## Task #1

Tasks #1 (and #2) were put in place by Dep. Head P. Fisher, 2021

- Starting June 15, 2021, implement a single login computing environment allowing Physics researchers to access heterogeneous high-performance resources. The implementation should include access to available high performance computing systems in the Department and affiliated labs that will be made available on a voluntary basis. The implementation should proceed in a timely fashion and aim to be available during Fall term. This first implementation will not be able to meet all the requirements of the Basic Service.

SubMIT opened for service on December 9, 2021

→ this is our 3<sup>rd</sup> year in service

# Structure of BCS

Steering Committee  
Faculty led

Chair: C.Paus

Meeting ~ once a months

Users Group  
Researcher led

J.Bendavid, M.Heine

Meeting ~ once a months

Project Team  
Researcher led

J.Bendavid, M.Heine

Meeting weekly

## Functions

- Steering: oversight, budget and hiring, large design
- Users group: support forum, discussion of needs and dissemination of status and plans
- Project team: support, develop, monitor, maintain

# Location: subMIT



Moving from Bates to Building 24 completed (Aug 2023)

- Reliability, accessibility and local support
- Reduced external effort: Mike Tiernan support removed

# People

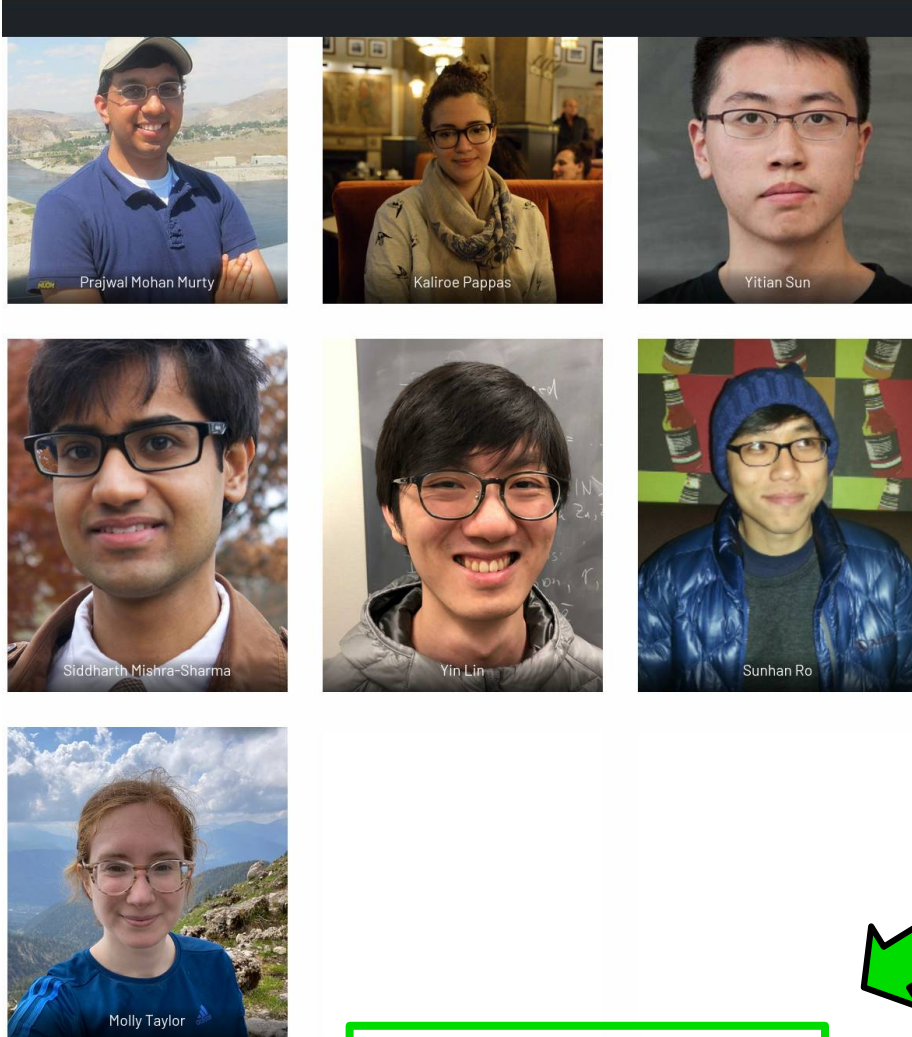
## Steering Committee



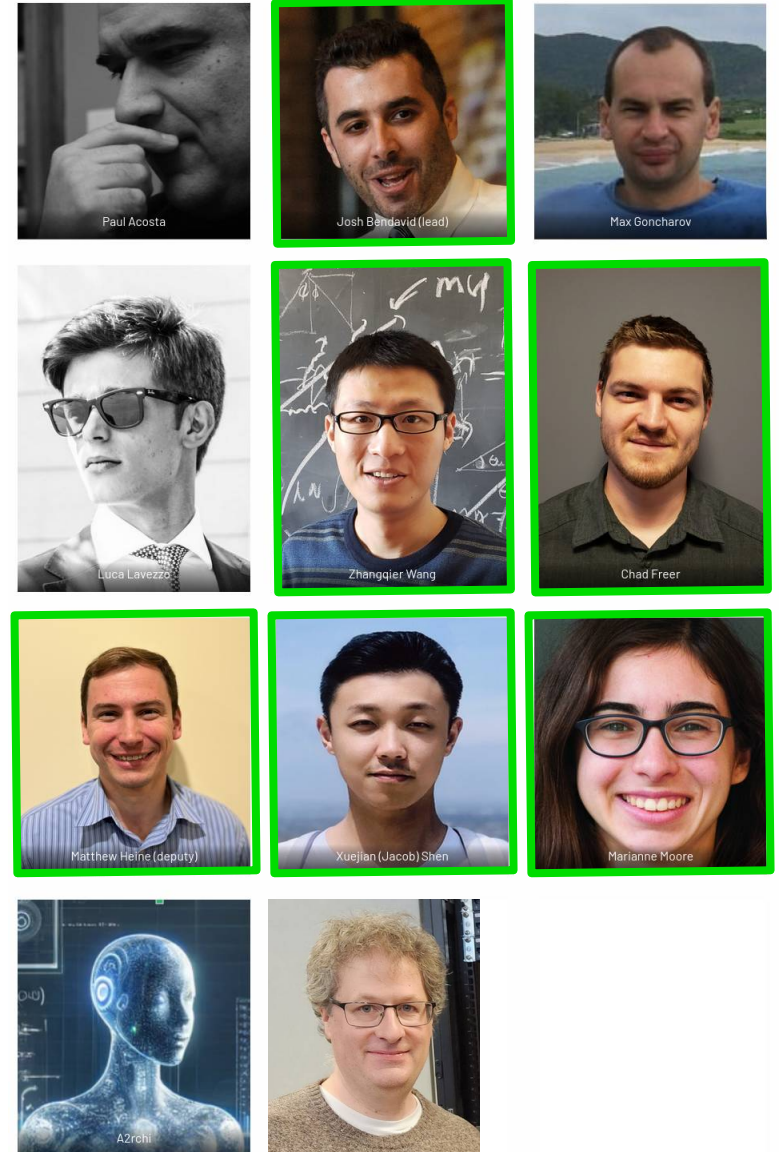
Membership revisited on the yearly basis.

# People

## Users Group



## Project Team



1.9 FTE paid by  
Physics Department

# *People transitions*



## Project team transitions are critical

- Prove the concept of effective temporary appointments
- MKI (M.Vogelsberger) postdoc transition was smooth
- More transitions are coming up soon
- Need to watch this carefully



# *Some Organization*

## Feedback for this review

- Please, interrupt and ask questions during presentations, they will be recorded in the minutes
- Shared document available for written comments/questions:  
link this year, (from last year)

## Answers to questions

- Recorded questions will be answered in writing and should be available latest by a week after the review

Thank you for taking the time, we appreciate the strong support of the department and hope we can convince you this project is a big asset to the department.