

Young DUNE Meeting

Nick Carrara, Rhiannon Jones, Jessie Micallef, Alex Moor

Maria Brigida Brunetti (CoCC), Asa Nehm (PAAPAR),
Richie Diurba (CSEPR), Andy Chappell (EaO)

25th August 2023



Young DUNE Governance:
[DUNE DocDB 7986](#)

Young DUNE landing page:
<https://atwork.dunescience.org/organization/young-dune/>

Welcome!

If you are new:

Welcome to DUNE, and to Young DUNE!

Today we'll be discussing topics primarily affecting Young DUNE. Your thoughts and feedback are **always** welcome & encouraged.

If you're not new:

Thanks for coming to share your expertise with us.

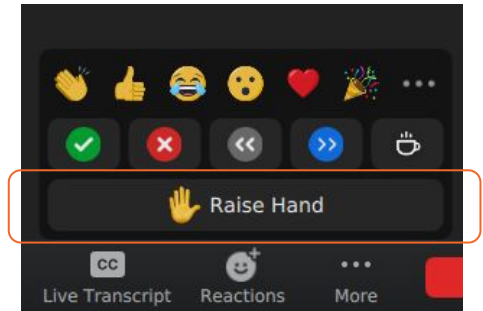
Please chime in to discussions!

Please use the “raise hand” feature on Zoom.

We'll keep an eye out for them!

Raise your (literal) hand in person.

That helps keep discussion comprehensible to those on Zoom.



Your elected representatives



IB Representative:
Rhiannon Jones
r.s.jones@sheffield.ac.uk
Slack: [@Rhiannon S Jones](#)



Spokesperson Liaison:
Alex Moor
(she/her)
afm67@cam.ac.uk
Slack: [@Alex Moor](#)



Spokespersons Advisory Committee:
Nick Carrara
(he/him)
ncarrara.physics@gmail.com
Slack: [@Nichola Carrara](#)



Spokespersons Advisory Committee:
Jessie Micallef
(she/they)
Jessie.Micallef@tufts.edu
Slack: [@Jessie Micallef](#)

Young DUNE is pretty well represented in collaboration structures.
Please feel free to reach out to us at any time with suggestions or concerns,
or if you are having trouble getting connected.

Your elected representatives



Elections currently running
for IB & SL reps



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r.s.jones@sheffield.ac.uk
Slack: @Rhiannon S Jones

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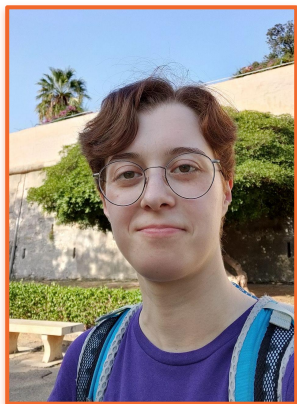
Spokespersons Advisory Committee:

Nick Carrara
(he/him)
ncarrara.physics@gmail.com
Slack: @Nichola Carrara

Jessie Micallef
(she/they)
Jessie.Micallef@tufts.edu
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Your committee members



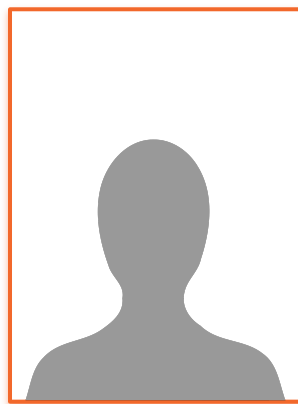
Publications Policy
Review
Asa Nehm
(they / them)
pnehm@uni-mainz.de
Slack: [@Asa Nehm](#)



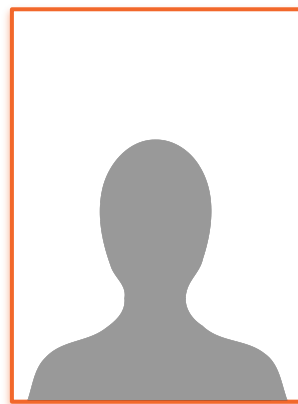
Election Procedure
Review
Richie Diurba
rdiurba@fnal.gov
Slack: [@Richie](#)



Education &
Outreach
Andy Chappell
Andrew.Chappell@warwick.ac.uk
Slack: [@Andy Chappell](#)



Case Review
<Name>
email
[@Slack](#)



Case Review
<Name>
email
[@Slack](#)



Code of Conduct
**Maria Brigida
Brunetti**
Maria.Brunetti@warwick.ac.uk
[@Maria Brigida Brunetti](#)

Will replace CoC/Maria Brigida

Your committee members



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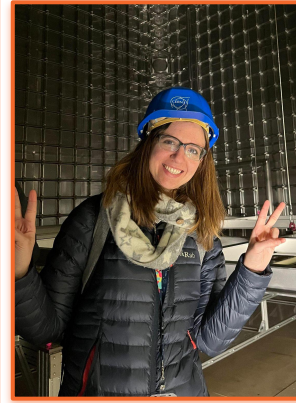


Education &
Outreach
Andy Chappell
Andrew.Chappell@warwick.ac.uk
Slack: @Andy Chappell

**Elections currently
running for Case Review
Committee members**

Case Review <Name> email @Slack	Case Review <Name> email @Slack
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Will replace CoC/Maria Brigida



Code of Conduct
**Maria Brigida
Brunetti**
Maria.Brunetti@warwick.ac.uk
@Maria Brigida Brunetti

Items

Here's what we have planned for today's meeting:

- Introduction from new SAC reps
 - **Nick & Jessie**
- Update from Asa & PPRC/PAAPAR
- Updates from other committees/reps
- Election overview
- Introduction to the “Buddy System”



Nick & Jessie: Your new SAC reps

- Postdoc at UC Davis
- On DUNE since Fall 2021: ML, Neutron Calibration, NEST
- ...



I studied music before physics and would love to collaborate with other DUNE people!

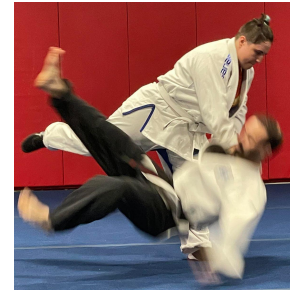


(nmcarrara@ucdavis.edu)

- Postdoc at MIT & Tufts (~Boston, MA)
- On DUNE since Fall 2022: Machine Learning, ND, 2x2
- [Portrait of a Scientist](#)



Fun facts: I do jiu jitsu & have a cat!



Reach out on slack or email (jessiem@mit.edu)!



Asa: PPRC (Publication Policy Review Committee) “report”



Introduction – what is the PPRC?

- The committee was tasked by the IB to improve the existing Publication and Analysis Approval Policies and Authorship Rules (docdb1115)
 - Find a way to increase participation during a collaboration review
 - Revisit the policies for theory / phenomenology papers and think about what can be done to enforce our policies on these
 - These tasks are mostly taken care of
- The committee was charged to review the summary report of the [2018 ECFA study on individual recognition in large collaboration](#) and make suggestions as needed
 - This is an extension of our task and we need to get approval to do anything on this



Current situation for this

- Full collaboration papers
 - Alphabetical author list
- Theory / Phenomenology papers
 - Not by full collaboration, more focused on individuals
- Technical papers
 - Focus on detector design / testing, software tool development or novel detector techniques
 - Not by full collaboration, but subset



A proposal / idea

- Take the MicroBooNE system of publishing public notes (tech notes written similar to tech notes, shorter than tech notes but more in depth than papers)
 - Alter it to allow for single or small groups of authors
- As this might be a (very) controversial topic within the IB (not everyone in the PPRC agreed on this)
 - > ask for feedback from YOU!
- If this is perceived positive by the IB
 - Ask for extension of / new charge

<https://microboone.fnal.gov/public-notes/>



About MicroBooNE

- MicroBooNE Code of Conduct
- Physics
- Detector
- Collaboration
- R&D Program
- Documents and Publications
- Publications
- Public Notes
- Talks and Posters
- Images and videos
- In the News
- Contact

For Collaborators (password required)



Search this site... Search

Related Experiments

Public Notes

Public Notes superseded by publications

Date	Publication
May 2017	MicroBooNE collaboration, "Noise Characterization and Filtering in the MicroBooNE Liquid Argon TPC", JINST 12, P08003 (2017), Preliminary superseded result in MICROBOONE-NOTE-1016-PUB.
April 2017	MicroBooNE collaboration, "Michel Electron Reconstruction Using Cosmic-Ray Data from the MicroBooNE LA/TPC", arXiv:1704.02927, submitted to JINST. Preliminary superseded result in MICROBOONE-NOTE-1008-PUB.
November 2016	MicroBooNE collaboration, "Convolutional Neural Networks Applied to Neutrino Events in a Liquid Argon Time Projection Chamber", JINST 12, P03011 (2017), Preliminary superseded result in MICROBOONE-NOTE-1019-PUB.

Public Notes

Date	Note	Title
10/25/2022	MICROBOONE-NOTE-1122-PUB	Measurement of Triple-Differential Inclusive Muon Neutrino Charged-Current Cross Sections on Argon with the MicroBooNE Detector
10/25/2022	MICROBOONE-NOTE-1121-PUB	First Measurement of Quasi-Elastic Λ Baryon Production in anti- ν_{μ} Interactions in the MicroBooNE Detector
9/20/2022	MICROBOONE-NOTE-1120-TECH	Light Yield Calibration in MicroBooNE

MICROBOONE-NOTE-1122-PUB

Measurement of Triple-Differential Inclusive Muon Neutrino Charged-Current Cross Sections on Argon with the MicroBooNE Detector

This could be you

(The MicroBooNE Collaboration)

(Dated: October 25, 2022)



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- If this is perceived as a problem
 - Please fill out the [google form](#) for feedback on this

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MICROBOONE-NOTE-1122-PUB

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This could be you ➔ (The MicroBooNE Collaboration) (Dated: October 25, 2022)



Committees: CESPR Update (Richie)

Goal: Review and suggest rule changes of the DUNE spokesperson search committee and election process to enact before 2023 election.

Status: Soliciting IB feedback on two issues:

1. No limit to number of qualified candidates in the election (current effective limit: 3).
 - a. Qualified is defined as any physicist with a permanent/tenure-track position.
 - b. Example: Mary (BNL, Scientist) or Ed (UChicago, Professor)
2. Process of vetting candidates (Q and A, written statements, etc.)
 - a. Committee is currently leaning towards a “structured anarchy” model where there is a minimum time between the announcement of candidates and the election. DUNE and its committees, like YD, can schedule independent meetings during this time with candidates, in addition to any central event.
 - b. Suggested minimum time is 1 month.

If you have any comments, there is an anonymous poll: [here](#)

Ongoing elections

- IB/SL Rep elections
 - > Please respond if you have been nominated!
 - > Elections will open on August 30
- CRC Rep elections
 - > Please respond if you have been nominated!

Jessie: DUNE Buggy System



<https://tinyurl.com/DUNEbuddy>

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Jessie: DUNE Buddy System

- “Friendly face” for new people to talk to at collab meetings
- Facilitate some networking for virtual attendees
- Create connections **across** DUNE research areas, job titles, ages, etc.

→ Fill out form by Sept 8 to be matched with 1 Young DUNE collaborator!

<https://tinyurl.com/DUNEbuddy>



AOB & discussion

