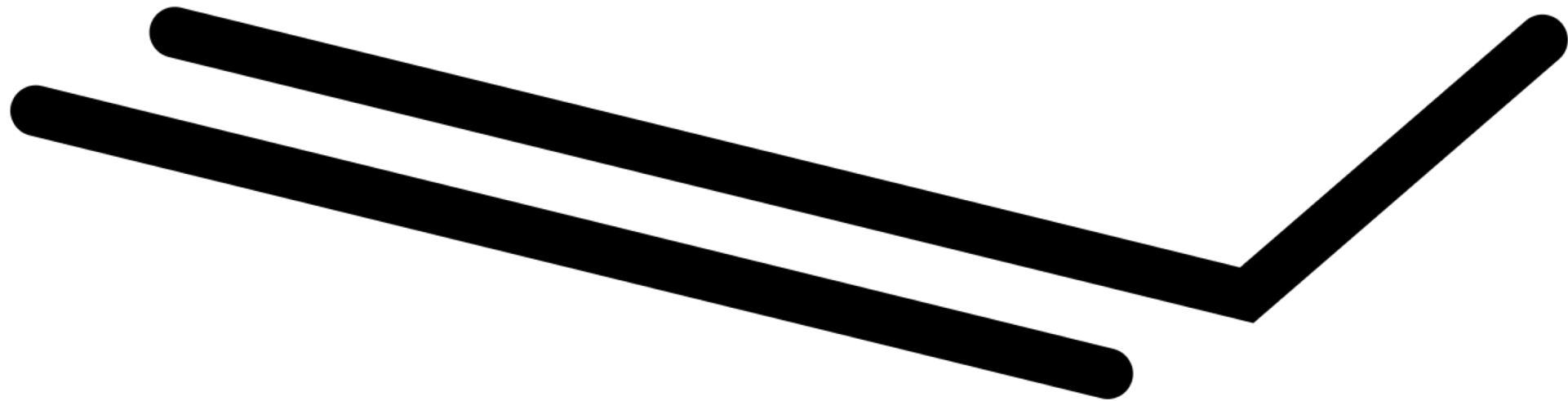


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Reproducibility Working Group

Chairs: Andrew McCluskey & Christy Kinane

Reproducibility Working Group

- We want to improve reproducibility in neutron and X-ray reflectometry
- This is a **big** task:
 - Instrumental/Masurement Reproducibility
 - Reduction Reproducibility
 - Analysis Reproducibility
- THIS WILL ONLY WORK IF THE COMMUNITY CONTRIBUTES

Reproducibility Working Group

- Our **broad** aims:
 - Improve measurement reproducibility through the creation of informative documentation regarding experimental set-up and standardisation of instrumentation
 - Generate general guidelines on data reduction, to ensure accurate and reproducible data
 - Engage others in reproducible analysis, including help documentation and guides

Reproducibility Working Group

- Like the other working groups we have a Github repo where tasks are organised
 - <https://github.com/reflectivity/reproducibility/issues>
- There is also a regular catch up between Christy and I (anyone is welcome to join in)
- We have also reached out to the community for input
 - https://www.reflectometry.org/get_involved/
 - Join the mailing list (and check your junk 😊)

Reproducibility Working Group

- The main comment from the previous AGM was that reproducibility is too big and open a task
 - Luckily Stuart Prescott solved it for use this morning.
 - Check out his talk from this mornings session
 - https://www.reflectometry.org/workshops/workshop_2021/
- So we have defined meaningful focused tasks that will be the focus of the meetings on Wednesday

Reproducibility Working Group

- Wednesday 16th June
 - 1000 (UK)/1100 (Europe)/0500 (US East)/1900(Oz)
- Standard samples and calibrations
- Led by Christy Kinane
- We talk to start to document standard calibrations and samples
 - See webpage for more information
 - https://www.reflectometry.org/workshops/workshop_2021/Wednesday.md/

Reproducibility Working Group

- Wednesday 16th June
 - 2000 (UK)/2100 (Europe)/1500 (US East)/0500(Oz Thursday morning)
- Reproducibility checklist
- Led by Me
- Inspired by machine learning community, can we have an ORSO agreed checklist for reproducibility of a measurements/analysis
 - See webpage for more information
 - https://www.reflectometry.org/workshops/workshop_2021/Wednesday.md/

Reproducibility Working Group

- Please come along and engage in the working group sessions
- And please get in touch if you would like to actively contribute to this working group!
- THIS WILL ONLY WORK IF THE COMMUNITY CONTRIBUTES