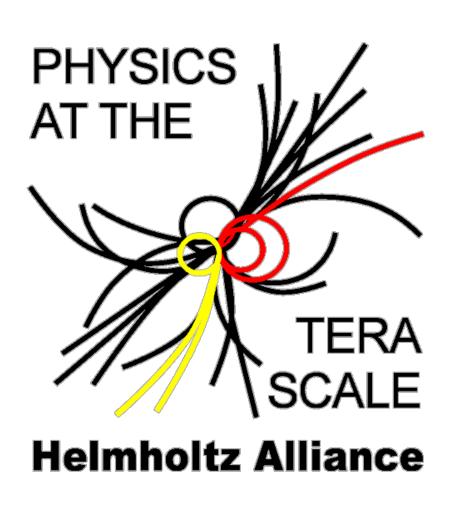
# Terascale Alliance Statistics School DESY Hamburg, 24-28 February 2025

### INTROPUCTION

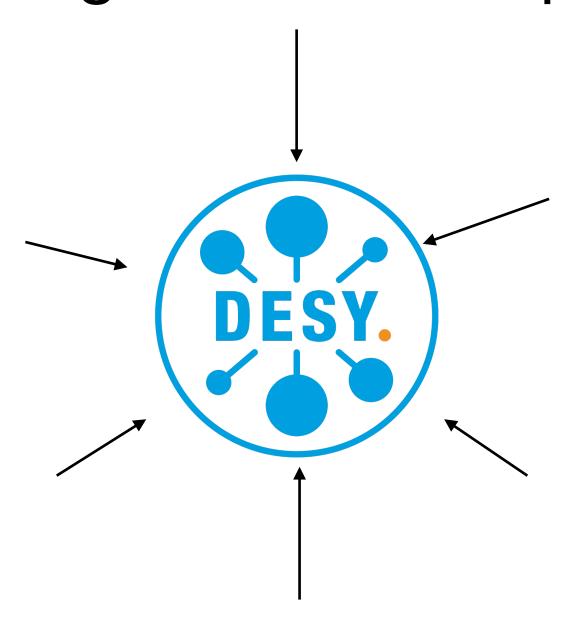








## you, the 60+ participants coming from various places!



DESY orga team: Olaf Behnke, Andreas Hinzmann, Isabell Melzer-Pellmann, Inna Henning (secretary)

Tutorial support: Sara Taheri Monfared, Kuan-Yu Lin, Dirk Kruecker, Louis Morieux (Uni HH)

For any questions/suggestions/comments write email to: anacen@desy.de,olaf.behnke@desy.de

## Program

https://indico.desy.de/event/46667/timetable/

Motto: Walk through statistical tasks in physics data analysis

#### Topics:

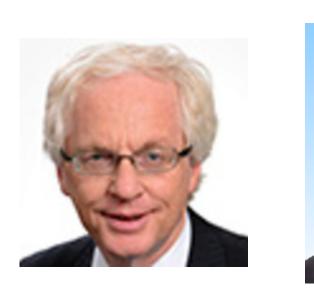
- Probability
- Hypothesis testing
- Parameter estimation
- Confidence intervals
- Systematic uncertainties
- Theory uncertainties
- Machine Learning
- Unfolding
- Bayesian inference







Roger Barlow



Glen Cowan



Tilman Plehn



Alsterfood







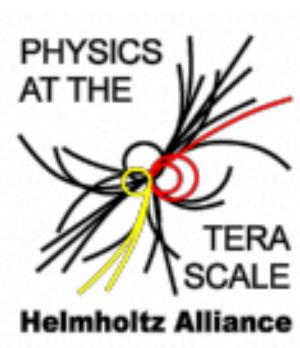
Lydia Brenner Frank Tackmann Kevin Kroeninger



## Computing information

- WLAN: connect to "Science-Hotspot" (easy registration) or "Eduroam"
- Glen Cowan's tutorials: Basic computing set up is described at <a href="https://indico.desy.de/event/46667/page/5356-setup-for-exercises">https://indico.desy.de/event/46667/page/5356-setup-for-exercises</a>
- Link to Tutorial files: https://www.pp.rhul.ac.uk/~cowan/stat/exercises/
  Description/Tasksheet <a href="https://www.pp.rhul.ac.uk/~cowan/stat/exercises/cowan\_stat\_exercises.pdf">https://www.pp.rhul.ac.uk/~cowan/stat/exercises/cowan\_stat\_exercises.pdf</a>
- We will not stream the School in ZOOM

### Code of conduct



- The Helmholtz Alliance 'Physics at the Terascale' consists of members with varied national origin, ethnic background, race, gender identity, sexual orientation, gender, age, physical ability, and religion.
- As a community, we are committed to being positive and inclusive in all regards. Members of the Terascale Alliance and participants of all Terascale events must maintain a professional environment in an atmosphere of tolerance and mutual respect and abstain from all forms of harassment, abuse, intimidation, bullying, and mistreatment of any kind.
- This includes, but is not limited to, intimidation, sexual or crude jokes or comments, inappropriate anonymous emails, offensive images, and unwelcome physical conduct.
- Keep in mind that behavior and language deemed acceptable to one person may not be to another.
- We commit to helping our community adhere to this code of conduct and speak up when we see possible violations of it.
- In the event that the letter or the spirit of this code has been violated, appropriate action will be taken.

https://indico.desy.de/event/33888/attachments/80565/105358/Code of Conduct Terascale Slide.pdf

#### Venue & Food

DESY Hamburg: Places of Terascale Statistics School 24-28 Feb 2025

https://campus.desy.de/en/

SR2: (02a ground floor)
We-Fr 26-28 February
Lectures/Tutorials

SR4 (01b upper floor side tract)
Mo-Tu 24-25 February
Lectures/Tutorials

Mo-Fr 24-28 February
 Coffee breaks

Canteen Extension (School Dinner)



 You can buy Lunch and Breakfast in DESY Canteen & Cafeteria

https://desy.myalsterfood.de/

- Only Cash or special rechargeable DESY payment card
- School Dinner takes place
   Wednesday 6.30–9 pm in
   Canteen extension

### Dinner places

https://indico.desy.de/event/46667/page/5168-restaurants-in-the-vicinity-of-desy

#### Terascale Statistics School 2025

Feb 24 – 28, 2025 DESY Hamburg

Europe/Berlin timezone

Enter your search term Q

Please take note: this is just a small selection, based on personal experiences

#### Overview

Timetable

Contribution List

My Conference

My Contributions

Registration

Participant List

Setup for exercises

Accommodation

Code of conduct

Restaurants in the vicinity of DESY

Travel direction to DESY

Terascale School Support



#### Restaurants in the vicinity of DESY

Most of the Restaurants below are situated in Ottensen, the nearest downtown quarter ~5km from DESY, reachable by bus, e.g. lines 1 and 2, within ~20-30 minutes.

It maybe worthwhile to buy a daily group ticket for 14,10 Euro, valid for up to 5 persons.

Timetables can be found here. Please take note that the Hamburg City Centre is not the most lively place for going out in the evening, the "action" is mostly in other places like Ottensen, Schanzenviertel, Portuguese quarter or St. Pauli.

- Elbwein (Flammkuchen)
- · Panda's Kueche (Asian)
- Farina meets Mehl (exquisite Pizza)
- Da MIchele (Best Pizza in Hamburg?)
- Scotty's (Typical Hamburg Kneipenrestaurant)
- L'Orient (modern libanese kitchen)
- Green Papaya (Asian)
- Otto's Burger (The name says it)
- Il Gambero (italian)
- · Burgerlich (in city centre)

Please take note that the above list is just a small selection of recommended restaurants, based on our personal experiences, there is much more to find/discover in Hamburg!

## Program of today

