Welcome

Logistics

WLCG/HSF Workshop, DESY-Hamburg, May 13-17 2024

David South, Nick Styles
Local Organising Committee

Welcome

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DESY Hamburg

Laboratory

- Once the home of the HERA e$^\pm$p collider, Deutsches Elektronen-Synchrotron, DESY, is in the west of Hamburg, in Bahrenfeld

- The lab hosts two of the largest ATLAS and CMS groups, a Belle 2 group, and many smaller on site Particle Physics experiments including ALPS

- There is also an increasingly large photon science presence on site: PETRA III/IV, XFEL, CFEL as well as plasma wakefield research FLASH(*Forward*)
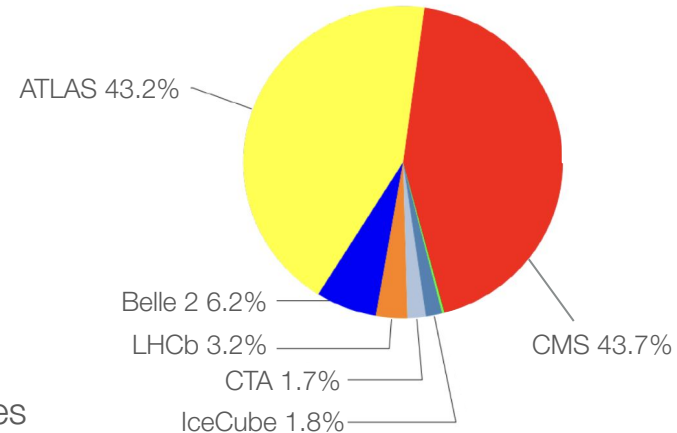
DESY.

DESY Hamburg

IT Division

- Data Grid Centre: significant [computing resources](#) - tour? Tell Tigran!
  - *Tier-2 centre for ATLAS & CMS; ~25PB of disk / 20k cores*
  - *Belle 2 Raw Data Center*
  - *Long established Analysis Facility: NAF*

- In-house expertise in storage: [dCache](#), [workshop](#) next month at DESY
  - *Experience with tape systems, recent provision of resources to the LHC experiments*

- Recent highlights include:
  - *Migration of tape libraries from OSM to CTA*
  - *DESY OS: RedHat but also Alma Linux*
  - *Successful in latest Data Challenge, incl. transfers with tokens*

- Regular discussions on computing matters at DESY, including [workshops](#) with focus on sustainability and efficient usage of resources
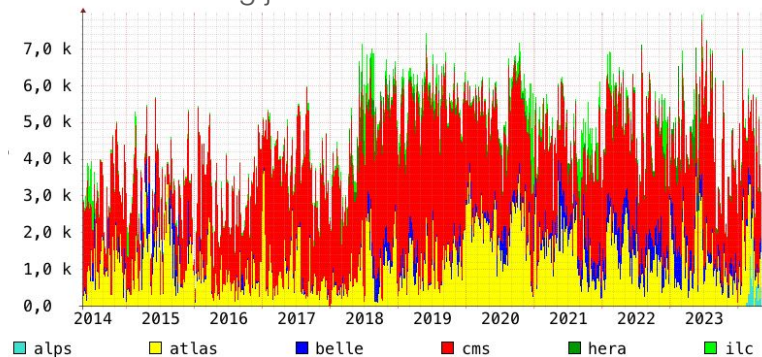
Last 6 month CPU Hours per VO

ATLAS 43.2%

Belle 2 6.2%

LHCb 3.2%

CTA 1.7%

IceCube 1.8%

CMS 43.7%

DESY Hamburg

National Analysis Facility

- NAF: National Analysis Facility at DESY since 2007
  - *One of the first analysis facilities, 1.5k potential users*
  - *Complementing significant, co-located Grid resources*
  - *Data centric approach for data intensive analysis*
  - *German HEP community and Global Belle 2 community*
  - *Close connection to data on dCache storage and local developers*

Running job slots on the NAF since 2014

NFS traffic to/from NAF, PiB/month

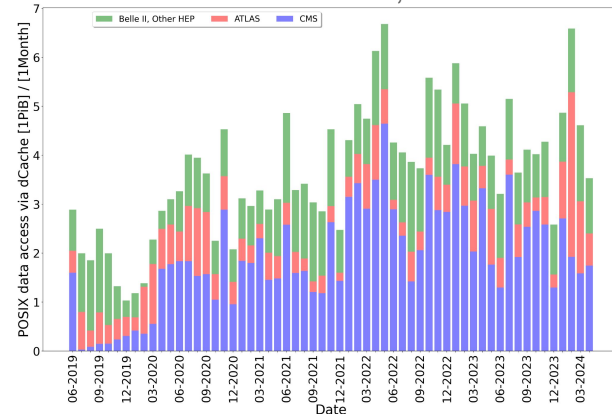| National Analysis Facility		
Interactive login systems ssh, Jupyter, remote desktop and interactive machines for rapid development, incl. GPUs	**Batch system for scale out** Up to 10k cores, occupancy ~75%, access to data stored on DESY Grid dCache, global software via CVMFS	**Scalable shared file system** 1.5 PB local storage based on GPFS: high performance I/O; Local grid storage also directly accessible via NFS

Additional services: Jupyter notebooks; Support of container environments; Specialised hardware (including high-RAM, GPUs, ..); R&D of new formats for Columnar analysis. Support with close link between the users and admins

Welcome to DESY

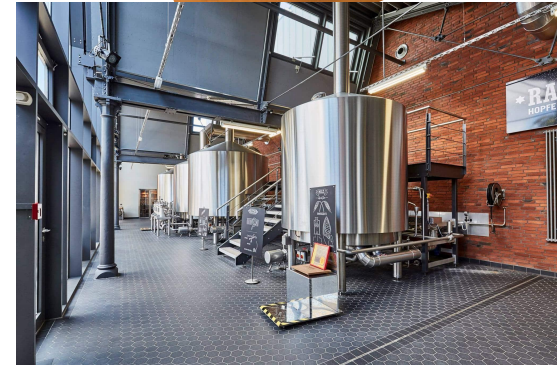## Some basics for the week

- The plenary sessions are all here in the Hoersaal
  - *WLCG parallel sessions are also here*
  - *HSF parallel sessions are in Seminar Room 4 (here on Weds)*
  - *The WLCG CB is in Seminar Room 1 on Weds*

- Coffee breaks for everyone will upstairs in the Foyer, at 10:30-11:15 and 15:30-16:00 each day
- A photograph will be taken at the start of the coffee break on Wednesday afternoon, just outside

- Lunch is at the canteen, just a short walk to the kitchen/tent outside. Additional warm options, salad bar available in the canteen building
  - *We should go no earlier than 12:45 please!*
  - *The canteen is CASH ONLY*

- WiFi - **eduroam** is available everywhere, or you can also use the guest network "Science-Hotspot"

Registration

Don't forget to pick up your bag

- We have **155** people registered on site as well as more than **100** people registered for online participation

- If you have not yet registered upstairs please do so, it will be open again in the coffee breaks this afternoon and tomorrow morning
  - *Please check your receipt for any corrections or additional information needed, we can usually accommodate changes and make a new one for you*

- If you have registered for the Brewery Tour, please pay your 20€ in cash at the registration desk to receive your ticket
  - *Tickets are allocated alphabetically, across the two tours, at 19:00 and 19:30, feel free to swap!*

Key Locations on Campus

Seminar Room 4

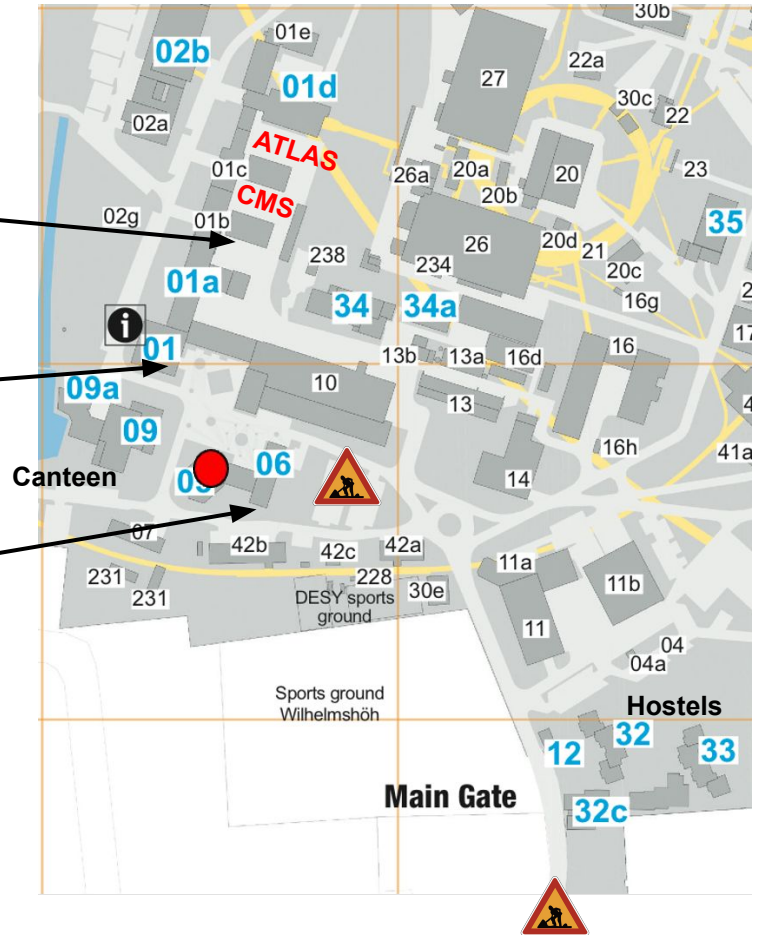Seminar Room 1

Hostel office: Building 6

Check-In 15:00 / Check-Out 10:00

Payment can be done in two ways:

- Receive bill by e-mail and pay via bank transfer within 14 days
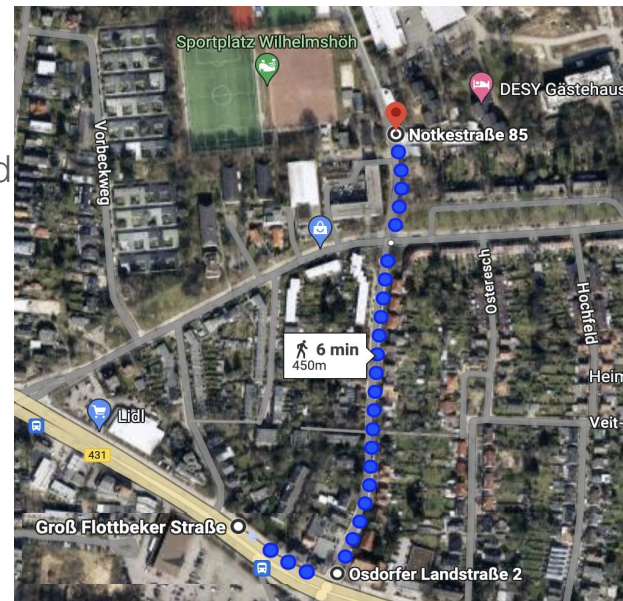- Pay by credit card day before or of departure, 9.30-12:00

Please check the billing address as it cannot be changed later

- The hostel bill will be sent automatically via email after your stay

Getting Here and Around

- Bus 1 can be taken from Altona or S-bahn Othmarschen as described in the Workshop page ('How to get to DESY')
  - *However, the bus route is currently changed. Instructions on best way to get to DESY are here, the correct stop is "Groß Flottbeker Straße":*
  - *Alternatively, arrive on Number 2 or 3 bus, enter DESY via the side entrance, stop: "Luruper Chaussee/DESY", close to Mercure hotel:*

- We recommended that you download the hvv App if you will be using public transport while in Hamburg
  - *Tickets can be bought via the app, which can also provide timetables and connection details*
  - *Tickets can also be bought at larger bus stops and all S-bahn stations, but not all bus stops have a ticket machine, and cash payments are no longer accepted on buses*

Social Programme

Reception and Dinner

- There is a reception at DESY tonight at 18:00, in the canteen
  - Welcome drinks and finger food - you'll probably still want dinner, see list on the indico for recommendations

- The dinner on Wednesday evening at Altes Mädchen, at a local craft beer brewery, Ratsherrn, in the Sternschanze district
  - **Dinner is at 20:00, drinks included 19:00 until 23:00**
  - The two brewery tours are at 19:00 and 19:30
  - Some buses will leave DESY at 18:15 sharp to arrive at the Altes Mädchen no later than 19:00
  - Please wear your badge so we can detect freeloaders!
  - Make your own way back to DESY or hotels via public transport (the S-bahn is only a few minutes away)

Finally

We're here to help

- Workshop secretaries Carolin and Sabine can help you with any queries you might have

- There is a restaurant list (and craft beer bar list) on the indico, as well as things to do in Hamburg, on-site information and so on.. There's even a running route as was requested (though you probably won't see me on it)

- You can always ask me or any other *DESYaners* for advice on, places to go, things to see and do, where to eat, which bars to go to etc

- Nick sadly can't attend the workshop, as he has more important things to look after for the next 6 months, but he contributed an enormous amount to setting things up so I'd like to finish here by thanking him

DESY.